

orientation scale to fit linear(1)

#CPU 8 using 07 threads APP 24 OS 44

RAM APP 1078/5120 OS 6387/7999

..n\AstroPixelProcessor

5) NORMALIZE 6) INTEGRATE 9) TOOLS
3) ANALYSE STARS 4) REGISTER
0) RAW/FITS 1) LOAD 2) CALIBRATE

M81

Light	all	clean	
Light	all	clean	8
Flat	all	clean	0
Dark	all	clean	0
DarkFlat	all	clean	0
Bias	all	clean	0

select	frame	file name	ISO/gain	exposure (s)	time shot	#stars
<input checked="" type="checkbox"/>	Light 1	CA STAR REG NORM D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23\M81\Lights\M81Test.fits	120	120	2020-04-23T23:51:25.455	
<input checked="" type="checkbox"/>	Light 2	CA STAR REG NORM D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23\M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits	120	120	2020-04-23T22:55:47.613	
<input checked="" type="checkbox"/>	Light 3	CA STAR REG NORM D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23\M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits	120	120	2020-04-23T22:57:51.653	
<input checked="" type="checkbox"/>	Light 4	CA STAR REG NORM D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23\M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits	120	120	2020-04-23T22:59:55.892	
<input checked="" type="checkbox"/>	Light 5	CA STAR REG NORM D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23\M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits	120	120	2020-04-23T23:02:00.533	
<input checked="" type="checkbox"/>	Light 6	CA STAR REG NORM D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23\M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits	120	120	2020-04-23T23:08:13.837	
<input checked="" type="checkbox"/>	Light 7	CA STAR REG NORM D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23\M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits	120	120	2020-04-23T23:10:19.341	
<input checked="" type="checkbox"/>	Light 8	CA STAR REG NORM D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23\M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits	120	120	2020-04-23T23:12:23.243	
<input checked="" type="checkbox"/>	Light 9	CA STAR REG NORM D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23\M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits	120	120	2020-04-23T23:14:27.511	

15% BG, 3 sigma, 2.5% base

10:50 02.05.2020

starting console output...

10:37:21 - LibRaw 201910 snapshot : trying to load LibRaw library...

10:37:21 - LibRaw 201910 snapshot : for raw conversion of Sony ARW, Adobe DNG files

10:37:21 - LibRaw 201910 snapshot : Windows OS detected

10:37:21 - LibRaw 201910 snapshot : loaded successfully :
C:\Users\ChristinePeter\AppData\Local\Temp\AstroPPLibUjvsII\libRawConverter.dll

10:37:21 -

10:37:21 - IMAGE VIEWER: profiling system for OpenGL compatibility...

10:37:21 - IMAGE VIEWER: trying to get hardware OpenGL profile

10:37:21 - IMAGE VIEWER: found hardware OpenGL 4 profile...

10:37:21 - IMAGE VIEWER: creating OpenGL image viewer...

10:37:21 - IMAGE VIEWER: initializing OpenGL 4

10:37:21 - IMAGE VIEWER: creating GL4 panel

10:37:21 - IMAGE VIEWER: GL Shading Language Version: 4.60 - Build 26.20.100.7262

10:37:21 - IMAGE VIEWER: getting display surface scale...

10:37:21 - IMAGE VIEWER: GL4: using GL Shading Language Version: 4.00

10:37:21 - IMAGE VIEWER: GL4: create image Vertex and Fragment shaders...

10:37:21 - IMAGE VIEWER: GL4: Texture VertexShader log:

10:37:21 -

10:37:21 - IMAGE VIEWER: GL4: Texture FragmentShader log:

10:37:21 -

10:37:21 - IMAGE VIEWER: GL4: create selectbox Vertex and Fragment shaders...

10:37:21 - IMAGE VIEWER: GL4: SelectBox VertexShader log:

10:37:21 -

10:37:21 - IMAGE VIEWER: GL4: SelectBox FragmentShader log:

10:37:21 -

10:37:21 - IMAGE VIEWER: GL4: creating buffers...

10:37:21 - IMAGE VIEWER: GL4: getting maximum Texture size...

10:37:21 - IMAGE VIEWER: GL4: maximum texture size: 16384

10:37:38 - FRAME DETAILS UPDATER: starting...

10:37:38 - FRAME DETAILS UPDATER: no new frames to add

10:37:38 - FRAME DETAILS UPDATER: rebuilding all frame details...

10:37:38 - FRAME DETAILS UPDATER: updated succesfully

10:37:38 - CONSTRUCT FRAME DETAILS LIST: starting...

10:37:38 - CONSTRUCT FRAME DETAILS LIST: finished

10:37:38 - FRAME DETAILS UPDATER: starting...

10:37:38 - FRAME DETAILS UPDATER: no new frames to add

10:37:38 - FRAME DETAILS UPDATER: rebuilding all frame details...

10:37:38 - FRAME DETAILS UPDATER: updated succesfully

10:37:38 - CONSTRUCT FRAME DETAILS LIST: starting...

10:37:38 - CONSTRUCT FRAME DETAILS LIST: finished

10:38:02 - FRAME DETAILS UPDATER: starting...

10:38:02 - FRAME DETAILS UPDATER: checking for duplicates in new frames...

10:38:02 - FRAME DETAILS UPDATER: adding 9 new frames...

10:38:02 - FRAME DETAILS UPDATER: acquired frame details of file M81Test.fits

10:38:02 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:38:02 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:38:02 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:02 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:38:03 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:38:03 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:38:03 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:38:03 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:38:03 - FRAME DETAILS UPDATER: adding light frame: M81Test.fits

10:38:03 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:38:03 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:38:03 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:03 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:38:03 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:38:03 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:38:03 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:38:03 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:38:03 - FRAME DETAILS UPDATER: rebuilding all frame details...

10:38:03 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

10:38:03 - FRAME DETAILS UPDATER: updated succesfully

10:38:03 - CONSTRUCT FRAME DETAILS LIST: starting...

10:38:03 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

10:38:03 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

10:38:03 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

10:38:03 - CONSTRUCT FRAME DETAILS LIST: finished

10:38:07 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

10:38:07 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

10:38:08 - PREVIEW FILTER: filtering new frame:M81Test.fits

10:38:08 - PREVIEW FILTER: creating clone of frame...

10:38:08 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits was loaded successfully

10:38:08 - DATA ANALYSER TOOLS: instantiated multi-core analytical memory blocks, size 511 MBs

10:38:09 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:09 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:09 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:38:09 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:38:09 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:38:09 - PREVIEW FILTER: starting 8bits preview filter

10:38:09 - PREVIEW FILTER: 8bits preview filter finished successfully

10:38:09 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:38:10 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:38:10 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:38:11 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:38:11 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits was loaded successfully

10:38:11 - PREVIEW FILTER: creating clone of frame...

10:38:12 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:12 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:12 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:38:12 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:38:12 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:38:12 - PREVIEW FILTER: starting 8bits preview filter

10:38:12 - PREVIEW FILTER: 8bits preview filter finished successfully

10:38:12 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:38:13 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:38:13 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:38:14 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:38:14 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits was loaded successfully

10:38:14 - PREVIEW FILTER: creating clone of frame...

10:38:15 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:15 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:15 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0
10:38:15 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7
10:38:15 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6
10:38:15 - PREVIEW FILTER: starting 8bits preview filter
10:38:15 - PREVIEW FILTER: 8bits preview filter finished successfully
10:38:15 - PREVIEW FILTER: sending frame to IMAGE VIEWER
10:38:16 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits
10:38:16 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits
10:38:17 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T01-01-57_003.fits
10:38:17 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits was loaded successfully
10:38:17 - PREVIEW FILTER: creating clone of frame...
10:38:17 - PREVIEW FILTER: auto DDP, black (B) point set to 0
10:38:17 - PREVIEW FILTER: auto DDP, white (W) point set to 255
10:38:17 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0
10:38:17 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7
10:38:17 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6
10:38:17 - PREVIEW FILTER: starting 8bits preview filter
10:38:18 - PREVIEW FILTER: 8bits preview filter finished successfully
10:38:18 - PREVIEW FILTER: sending frame to IMAGE VIEWER
10:38:21 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits
10:38:21 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits
10:38:21 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T00-59-53_002.fits
10:38:21 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits was loaded successfully

10:38:21 - PREVIEW FILTER: creating clone of frame...

10:38:21 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:21 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:21 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:38:21 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:38:21 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:38:21 - PREVIEW FILTER: starting 8bits preview filter

10:38:22 - PREVIEW FILTER: 8bits preview filter finished successfully

10:38:22 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:38:23 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:23 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:23 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:23 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits was loaded successfully

10:38:23 - PREVIEW FILTER: creating clone of frame...

10:38:24 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:24 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:24 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:38:24 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:38:24 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:38:24 - PREVIEW FILTER: starting 8bits preview filter

10:38:24 - PREVIEW FILTER: 8bits preview filter finished successfully

10:38:24 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:38:24 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:38:24 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:38:25 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:38:25 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits was loaded successfully

10:38:25 - PREVIEW FILTER: creating clone of frame...

10:38:25 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:25 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:25 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:38:25 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:38:25 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:38:25 - PREVIEW FILTER: starting 8bits preview filter

10:38:26 - PREVIEW FILTER: 8bits preview filter finished successfully

10:38:26 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:38:27 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:27 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:27 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:27 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits was loaded successfully

10:38:27 - PREVIEW FILTER: creating clone of frame...

10:38:28 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:28 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:28 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:38:28 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:38:28 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:38:28 - PREVIEW FILTER: starting 8bits preview filter

10:38:28 - PREVIEW FILTER: 8bits preview filter finished successfully

10:38:28 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:38:33 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:38:33 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:38:34 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:38:34 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits was loaded successfully

10:38:34 - PREVIEW FILTER: creating clone of frame...

10:38:34 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:34 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:34 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:38:34 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:38:34 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:38:34 - PREVIEW FILTER: starting 8bits preview filter

10:38:34 - PREVIEW FILTER: 8bits preview filter finished successfully

10:38:34 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:38:35 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:35 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:35 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:35 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits was loaded successfully

10:38:35 - PREVIEW FILTER: creating clone of frame...

10:38:36 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:36 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:36 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:38:36 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:38:36 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:38:36 - PREVIEW FILTER: starting 8bits preview filter

10:38:36 - PREVIEW FILTER: 8bits preview filter finished successfully

10:38:36 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:38:41 - CONSTRUCT FRAME DETAILS LIST: starting...

10:38:41 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

10:38:41 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

10:38:41 - CONSTRUCT FRAME DETAILS LIST: finished

10:38:43 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:38:43 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:38:43 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:38:43 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits was loaded successfully

10:38:43 - PREVIEW FILTER: creating clone of frame...

10:38:44 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:44 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:44 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:38:44 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:38:44 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:38:44 - PREVIEW FILTER: starting 8bits preview filter

10:38:44 - PREVIEW FILTER: 8bits preview filter finished successfully

10:38:44 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:38:46 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:46 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:46 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:46 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits was loaded successfully

10:38:46 - PREVIEW FILTER: creating clone of frame...

10:38:46 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:46 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:46 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:38:46 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:38:46 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:38:46 - PREVIEW FILTER: starting 8bits preview filter

10:38:46 - PREVIEW FILTER: 8bits preview filter finished successfully

10:38:46 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:38:49 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:38:49 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:38:49 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:38:49 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits was loaded successfully

10:38:49 - PREVIEW FILTER: creating clone of frame...

10:38:49 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:49 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:49 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:38:49 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:38:49 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:38:49 - PREVIEW FILTER: starting 8bits preview filter

10:38:50 - PREVIEW FILTER: 8bits preview filter finished successfully

10:38:50 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:38:52 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:52 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:52 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:38:52 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits was loaded successfully

10:38:52 - PREVIEW FILTER: creating clone of frame...

10:38:53 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:53 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:53 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:38:53 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:38:53 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:38:53 - PREVIEW FILTER: starting 8bits preview filter

10:38:53 - PREVIEW FILTER: 8bits preview filter finished successfully

10:38:53 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:38:54 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:38:54 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:38:54 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:38:54 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits was loaded successfully

10:38:54 - PREVIEW FILTER: creating clone of frame...

10:38:55 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:55 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:55 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:38:55 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:38:55 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:38:55 - PREVIEW FILTER: starting 8bits preview filter

10:38:55 - PREVIEW FILTER: 8bits preview filter finished successfully

10:38:55 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:38:55 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:38:55 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:38:56 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:38:56 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits was loaded successfully

10:38:56 - PREVIEW FILTER: creating clone of frame...

10:38:57 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:57 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:57 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:38:57 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:38:57 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:38:57 - PREVIEW FILTER: starting 8bits preview filter

10:38:57 - PREVIEW FILTER: 8bits preview filter finished successfully

10:38:57 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:38:58 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:38:58 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:38:58 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:38:58 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits was loaded successfully

10:38:58 - PREVIEW FILTER: creating clone of frame...

10:38:59 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:38:59 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:38:59 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:38:59 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:38:59 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:38:59 - PREVIEW FILTER: starting 8bits preview filter

10:38:59 - PREVIEW FILTER: 8bits preview filter finished successfully

10:38:59 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:38:59 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:38:59 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:39:00 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:39:00 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits was loaded successfully

10:39:00 - PREVIEW FILTER: creating clone of frame...

10:39:00 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:39:00 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:39:00 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:39:00 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:39:00 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:39:00 - PREVIEW FILTER: starting 8bits preview filter

10:39:01 - PREVIEW FILTER: 8bits preview filter finished successfully

10:39:01 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:39:02 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:39:02 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:39:03 - PREVIEW FILTER: filtering new frame:M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:39:03 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits was loaded successfully

10:39:03 - PREVIEW FILTER: creating clone of frame...

10:39:03 - PREVIEW FILTER: auto DDP, black (B) point set to 0

10:39:03 - PREVIEW FILTER: auto DDP, white (W) point set to 255

10:39:03 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:39:03 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 7

10:39:03 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 6

10:39:03 - PREVIEW FILTER: starting 8bits preview filter

10:39:03 - PREVIEW FILTER: 8bits preview filter finished successfully

10:39:03 - PREVIEW FILTER: sending frame to IMAGE VIEWER

10:39:36 - 2) CALIBRATE: assigning masters to light frames...

10:39:36 - 2) CALIBRATE: found master calibration frames for frame: M81Test.fits

10:39:36 -

10:39:36 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:39:36 -

10:39:36 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:39:36 -

10:39:36 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

10:39:36 -

10:39:36 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:39:36 -

10:39:36 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:39:36 -

10:39:36 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:39:36 -

10:39:37 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:39:37 -

10:39:37 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:39:37 -

10:39:37 - FRAME DETAILS UPDATER: starting...

10:39:37 - FRAME DETAILS UPDATER: no new frames to add

10:39:37 - FRAME DETAILS UPDATER: rebuilding all frame details...

10:39:37 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

10:39:37 - FRAME DETAILS UPDATER: updated succesfully

10:39:37 - CONSTRUCT FRAME DETAILS LIST: starting...

10:39:37 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

10:39:37 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

10:39:37 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

10:39:37 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

10:39:37 - CONSTRUCT FRAME DETAILS LIST: finished

10:39:37 - 2) CALIBRATE: VERIFY CALIBRATION MASTERS: all frames are verified

10:39:37 - FRAME DETAILS UPDATER: starting...

10:39:37 - FRAME DETAILS UPDATER: no new frames to add

10:39:37 - FRAME DETAILS UPDATER: rebuilding all frame details...

10:39:37 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

10:39:37 - FRAME DETAILS UPDATER: updated succesfully

10:39:37 - CONSTRUCT FRAME DETAILS LIST: starting...

10:39:37 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

10:39:37 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

10:39:37 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

10:39:37 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

10:39:37 - CONSTRUCT FRAME DETAILS LIST: finished

10:39:37 - 3) ANALYSE STARS: starting...

10:39:37 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

10:39:37 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

10:39:37 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:39:37 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:39:37 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:39:37 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:39:37 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:39:37 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:39:37 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:39:37 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:39:37 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:39:37 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:39:37 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:39:37 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:39:37 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:39:37 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:39:37 - 3) ANALYSE STARS: 8 image loaders created...

10:39:37 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

10:39:37 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:39:38 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits was loaded successfully

10:39:38 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits was loaded successfully

10:39:38 - 3) ANALYSE STARS: M81Test.fits : starting analysis of stars in frame

10:39:38 - 3) ANALYSE STARS: M81Test.fits: starting...

10:39:38 - 3) ANALYSE STARS: M81Test.fits: color data

10:39:38 - 3) ANALYSE STARS: M81Test.fits: getting luminosity channel...

10:39:38 - 3) ANALYSE STARS: M81Test.fits: creating star map...

10:39:39 - DATA ANALYSER TOOLS: instantiated multi-core analytical memory blocks, size 511 MBs

10:39:40 - 3) ANALYSE STARS: M81Test.fits: star map created successfully

10:39:40 - 3) ANALYSE STARS: M81Test.fits: identifying star candidates...

10:39:40 - 3) ANALYSE STARS: M81Test.fits: identifying star candidates: initial FWHM estimate: 7,35 pixels

10:39:41 - 3) ANALYSE STARS: M81Test.fits: identifying star candidates: target noise level is at kappa 2.0

10:39:41 - 3) ANALYSE STARS: M81Test.fits: identifying star candidates: target luminosity of stars is 1,160E+00

10:39:41 - 3) ANALYSE STARS: M81Test.fits: identifying star candidates: initially identified 547 of possible star candidates

10:39:41 - 3) ANALYSE STARS: M81Test.fits: probing star positions and luminosities...

10:39:41 - 3) ANALYSE STARS: M81Test.fits: identified star candidates successfully

10:39:41 - 3) ANALYSE STARS: M81Test.fits: probing local background, noise and FWHM for all stars...

10:39:41 - 3) ANALYSE STARS: M81Test.fits: probed star positions and luminosities successfully

10:39:41 - 3) ANALYSE STARS: M81Test.fits: estimated Full Width at Half Maximum (FWHM) of star profiles : 6,00 +- 3,00 pixels...

10:39:41 - 3) ANALYSE STARS: M81Test.fits: analysing all stars candidates with star size areas equal to or larger than 12 pixels...

10:39:41 - 3) ANALYSE STARS: M81Test.fits: probed local background, noise and FWHM for all stars successfully

10:39:42 - 3) ANALYSE STARS: M81Test.fits: performed & collecting 2D general gaussian star profile regression and IW centroiding on all stars successfully

10:39:42 - 3) ANALYSE STARS: M81Test.fits: removed 121 star candidates stars from the initial star candidates

10:39:42 - 3) ANALYSE STARS: M81Test.fits: 426 star candidates left

10:39:42 - 3) ANALYSE STARS: M81Test.fits: removed stars that are too close to each other successfully: 0 stars removed

10:39:42 - 3) ANALYSE STARS: M81Test.fits: got all star details successfully

10:39:42 - 3) ANALYSE STARS: M81Test.fits: probed local background, noise and FWHM for all stars successfully

10:39:42 - 3) ANALYSE STARS: M81Test.fits: correcting star map and star list for possible bad star detections...

10:39:42 - 3) ANALYSE STARS: M81Test.fits: number of removed duplicate stars 0

10:39:42 - 3) ANALYSE STARS: M81Test.fits: final number of identified and fully analysed stars 426

10:39:42 - 3) ANALYSE STARS: M81Test.fits: receiving final details...

10:39:42 - 3) ANALYSE STARS: M81Test.fits: closed

10:39:42 - 3) ANALYSE STARS: M81Test.fits : received star analysis results of frame

10:39:42 - 3) ANALYSE STARS: # stars 426

10:39:42 - 3) ANALYSE STARS: quality score 307,65

10:39:42 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

10:39:42 - 3) ANALYSE STARS: FWHM minimum: 3,85

10:39:42 - 3) ANALYSE STARS: FWHM maximum: 4,05

10:39:42 - 3) ANALYSE STARS: received 1 of 8 frames to analyse

10:39:42 - 3) ANALYSE STARS:

10:39:42 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : starting analysis of stars in frame

10:39:42 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:39:42 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: starting...

10:39:42 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: color data

10:39:42 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: getting luminosity channel...

10:39:43 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: creating star map...

10:39:43 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits was loaded successfully

10:39:44 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: identifying star candidates...

10:39:44 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: star map created successfully

10:39:44 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: identifying star candidates: initial FWHM estimate: 8,37 pixels

10:39:44 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: identifying star candidates: target noise level is at kappa 2.0

10:39:44 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: identifying star candidates: target luminosity of stars is 1,155E+00

10:39:44 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: identifying star candidates: initially identified 480 of possible star candidates

10:39:44 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: probing star positions and luminosities...

10:39:44 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: identified star candidates successfully

10:39:44 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: probing local background, noise and FWHM for all stars...

10:39:44 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: probed star positions and luminosities successfully

10:39:44 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: estimated Full Width at Half Maximum (FWHM) of star profiles : 7,19 +- 3,59 pixels...

10:39:44 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: analysing all stars candidates with star size areas equal to or larger than 14 pixels...

10:39:44 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: probed local background, noise and FWHM for all stars successfully

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: performed & collecting 2D general gaussian star profile regression and IW centroiding on all stars successfully

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: removed 100 star candidates stars from the initial star candidates

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: 380 star candidates left

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: got all star details succesfully

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: removed stars that are too close to each other successffully: 0 stars removed

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: probed local background, noise and FWHM for all stars successfully

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: correcting star map and star list for possible bad star detections...

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: number of removed duplicate stars 0

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: final number of identified and fully analysed stars 380

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: receiving final details...

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: closed

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : received star analysis results of frame

10:39:45 - 3) ANALYSE STARS: # stars 380

10:39:45 - 3) ANALYSE STARS: quality score 222,09

10:39:45 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

10:39:45 - 3) ANALYSE STARS: FWHM minimum: 4,60

10:39:45 - 3) ANALYSE STARS: FWHM maximum: 4,95

10:39:45 - 3) ANALYSE STARS: received 2 of 8 frames to analyse

10:39:45 - 3) ANALYSE STARS:

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : starting analysis of stars in frame

10:39:45 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: starting...

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: color data

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: getting luminosity channel...

10:39:45 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: creating star map...

10:39:45 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits was loaded successfully

10:39:46 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: identifying star candidates...

10:39:46 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: star map created successfully

10:39:46 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: identifying star candidates: initial FWHM estimate: 8,06 pixels

10:39:47 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: identifying star candidates: target noise level is at kappa 2.0

10:39:47 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: identifying star candidates: target luminosity of stars is 1,159E+00

10:39:47 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: identifying star candidates: initially identified 490 of possible star candidates

10:39:47 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: identified star candidates successfully

10:39:47 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: probing star positions and luminosities...

10:39:47 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: probing local background, noise and FWHM for all stars...

10:39:47 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: probed star positions and luminosities successfully

10:39:47 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: estimated Full Width at Half Maximum (FWHM) of star profiles : 6,75 +- 3,38 pixels...

10:39:47 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: analysing all stars candidates with star size areas equal to or larger than 13 pixels...

10:39:47 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: probed local background, noise and FWHM for all stars successfully

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: performed & collecting 2D general gaussian star profile regression and IW centroiding on all stars successfully

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: removed 91 star candidates stars from the initial star candidates

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: 399 star candidates left

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: removed stars that are too close to each other successffully: 0 stars removed

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: got all star details succesfully

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: probed local background, noise and FWHM for all stars successfully

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: correcting star map and star list for possible bad star detections...

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: number of removed duplicate stars 0

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: final number of identified and fully analysed stars 399

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: receiving final details...

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: closed

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : received star analysis results of frame

10:39:50 - 3) ANALYSE STARS: # stars 399

10:39:50 - 3) ANALYSE STARS: quality score 222,38

10:39:50 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

10:39:50 - 3) ANALYSE STARS: FWHM minimum: 4,39

10:39:50 - 3) ANALYSE STARS: FWHM maximum: 5,02

10:39:50 - 3) ANALYSE STARS: received 3 of 8 frames to analyse

10:39:50 - 3) ANALYSE STARS:

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : starting analysis of stars in frame

10:39:50 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: starting...

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: color data

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: getting luminosity channel...

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: creating star map...

10:39:50 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits was loaded successfully

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: star map created successfully

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: identifying star candidates...

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: identifying star candidates: initial FWHM estimate: 8,19 pixels

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: identifying star candidates: target noise level is at kappa 2.0

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: identifying star candidates: target luminosity of stars is 1,156E+00

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: identifying star candidates: initially identified 492 of possible star candidates

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: probing star positions and luminosities...

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: identified star candidates successfully

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: probing local background, noise and FWHM for all stars...

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: probed star positions and luminosities successfully

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: estimated Full Width at Half Maximum (FWHM) of star profiles : 6,93 +- 3,46 pixels...

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: analysing all stars candidates with star size areas equal to or larger than 13 pixels...

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: probed local background, noise and FWHM for all stars successfully

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: performed & collecting 2D general gaussian star profile regression and IW centroiding on all stars successfully

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: removed 96 star candidates stars from the initial star candidates

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: 396 star candidates left

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: removed stars that are too close to each other successffully: 0 stars removed

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: got all star details succesfully

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: probed local background, noise and FWHM for all stars successfully

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: correcting star map and star list for possible bad star detections...

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: number of removed duplicate stars 0

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: final number of identified and fully analysed stars 396

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: receiving final details...

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: closed

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : received star analysis results of frame

10:39:50 - 3) ANALYSE STARS: # stars 396

10:39:50 - 3) ANALYSE STARS: quality score 227,93

10:39:50 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

10:39:50 - 3) ANALYSE STARS: FWHM minimum: 4,48

10:39:50 - 3) ANALYSE STARS: FWHM maximum: 4,95

10:39:50 - 3) ANALYSE STARS: received 4 of 8 frames to analyse

10:39:50 - 3) ANALYSE STARS:

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : starting analysis of stars in frame

10:39:50 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: starting...

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: color data

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: getting luminosity channel...

10:39:50 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: creating star map...

10:39:50 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits was loaded successfully

10:39:51 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: identifying star candidates...

10:39:51 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: star map created successfully

10:39:51 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: identifying star candidates: initial FWHM estimate: 7,52 pixels

10:39:51 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: identifying star candidates: target noise level is at kappa 2.0

10:39:51 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: identifying star candidates: target luminosity of stars is 1,162E+00

10:39:51 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: identifying star candidates: initially identified 518 of possible star candidates

10:39:51 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: identified star candidates successfully

10:39:51 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: probing star positions and luminosities...

10:39:51 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: probed star positions and luminosities successfully

10:39:51 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: probing local background, noise and FWHM for all stars...

10:39:51 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: estimated Full Width at Half Maximum (FWHM) of star profiles : 6,48 +- 3,24 pixels...

10:39:51 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: analysing all stars candidates with star size areas equal to or larger than 12 pixels...

10:39:51 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: probed local background, noise and FWHM for all stars successfully

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: performed & collecting 2D general gaussian star profile regression and IW centroiding on all stars successfully

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: removed 104 star candidates stars from the initial star candidates

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: 414 star candidates left

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: removed stars that are too close to each other successffully: 0 stars removed

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: got all star details succesfully

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: probed local background, noise and FWHM for all stars successfully

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: correcting star map and star list for possible bad star detections...

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: number of removed duplicate stars 0

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: final number of identified and fully analysed stars 414

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: receiving final details...

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: closed

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : received star analysis results of frame

10:39:52 - 3) ANALYSE STARS: # stars 414

10:39:52 - 3) ANALYSE STARS: quality score 274,66

10:39:52 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

10:39:52 - 3) ANALYSE STARS: FWHM minimum: 4,26

10:39:52 - 3) ANALYSE STARS: FWHM maximum: 4,43

10:39:52 - 3) ANALYSE STARS: received 5 of 8 frames to analyse

10:39:52 - 3) ANALYSE STARS:

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : starting analysis of stars in frame

10:39:52 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: starting...

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: color data

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: getting luminosity channel...

10:39:52 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: creating star map...

10:39:53 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits was loaded successfully

10:39:53 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: identifying star candidates...

10:39:53 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: star map created successfully

10:39:53 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: identifying star candidates: initial FWHM estimate: 7,44 pixels

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: identifying star candidates: target noise level is at kappa 2.0

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: identifying star candidates: target luminosity of stars is 1,163E+00

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: identifying star candidates: initially identified 517 of possible star candidates

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: identified star candidates successfully

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: probing star positions and luminosities...

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: probed star positions and luminosities successfully

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: probing local background, noise and FWHM for all stars...

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: estimated Full Width at Half Maximum (FWHM) of star profiles : 6,29 +- 3,15 pixels...

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: analysing all stars candidates with star size areas equal to or larger than 12 pixels...

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: probed local background, noise and FWHM for all stars successfully

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: performed & collecting 2D general gaussian star profile regression and IW centroiding on all stars successfully

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: removed 98 star candidates stars from the initial star candidates

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: 419 star candidates left

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: got all star details succesfully

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: removed stars that are too close to each other successffully: 0 stars removed

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: probed local background, noise and FWHM for all stars successfully

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: correcting star map and star list for possible bad star detections...

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: number of removed duplicate stars 0

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: final number of identified and fully analysed stars 419

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: receiving final details...

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: closed

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : received star analysis results of frame

10:39:54 - 3) ANALYSE STARS: # stars 419

10:39:54 - 3) ANALYSE STARS: quality score 299,00

10:39:54 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

10:39:54 - 3) ANALYSE STARS: FWHM minimum: 4,12

10:39:54 - 3) ANALYSE STARS: FWHM maximum: 4,18

10:39:54 - 3) ANALYSE STARS: received 6 of 8 frames to analyse

10:39:54 - 3) ANALYSE STARS:

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : starting analysis of stars in frame

10:39:54 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: starting...

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: color data

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: getting luminosity channel...

10:39:54 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: creating star map...

10:39:55 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits was loaded successfully

10:39:56 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: identifying star candidates...

10:39:56 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: star map created successfully

10:39:56 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: identifying star candidates: initial FWHM estimate: 7,68 pixels

10:39:56 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: identifying star candidates: target noise level is at kappa 2.0

10:39:56 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: identifying star candidates: target luminosity of stars is 1,158E+00

10:39:56 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: identifying star candidates: initially identified 501 of possible star candidates

10:39:56 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: probing star positions and luminosities...

10:39:56 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: identified star candidates successfully

10:39:56 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: probed star positions and luminosities successfully

10:39:56 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: probing local background, noise and FWHM for all stars...

10:39:56 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: estimated Full Width at Half Maximum (FWHM) of star profiles : 6,52 +- 3,26 pixels...

10:39:56 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: analysing all stars candidates with star size areas equal to or larger than 13 pixels...

10:39:56 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: probed local background, noise and FWHM for all stars successfully

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: performed & collecting 2D general gaussian star profile regression and IW centroiding on all stars successfully

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: removed 93 star candidates stars from the initial star candidates

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: 408 star candidates left

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: removed stars that are too close to each other successfully: 0 stars removed

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: got all star details successfully

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: probed local background, noise and FWHM for all stars successfully

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: correcting star map and star list for possible bad star detections...

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: number of removed duplicate stars 0

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: final number of identified and fully analysed stars 408

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: receiving final details...

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: closed

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : received star analysis results of frame

10:39:57 - 3) ANALYSE STARS: # stars 408

10:39:57 - 3) ANALYSE STARS: quality score 255,69

10:39:57 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

10:39:57 - 3) ANALYSE STARS: FWHM minimum: 4,27

10:39:57 - 3) ANALYSE STARS: FWHM maximum: 4,61

10:39:57 - 3) ANALYSE STARS: received 7 of 8 frames to analyse

10:39:57 - 3) ANALYSE STARS:

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : starting analysis of stars in frame

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: starting...

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: color data

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: getting luminosity channel...

10:39:57 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: creating star map...

10:39:58 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: identifying star candidates...

10:39:58 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: star map created successfully

10:39:58 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: identifying star candidates: initial FWHM estimate: 7,68 pixels

10:39:58 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: identifying star candidates: target noise level is at kappa 2.0

10:39:58 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: identifying star candidates: target luminosity of stars is 1,169E+00

10:39:58 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: identifying star candidates: initially identified 493 of possible star candidates

10:39:58 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: identified star candidates successfully

10:39:58 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: probing star positions and luminosities...

10:39:58 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: probed star positions and luminosities successfully

10:39:58 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: probing local background, noise and FWHM for all stars...

10:39:58 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: estimated Full Width at Half Maximum (FWHM) of star profiles : 6,66 +- 3,33 pixels...

10:39:58 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: analysing all stars candidates with star size areas equal to or larger than 13 pixels...

10:39:58 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: probed local background, noise and FWHM for all stars successfully

10:39:59 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: performed & collecting 2D general gaussian star profile regression and IW centroiding on all stars successfully

10:39:59 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: removed 84 star candidates stars from the initial star candidates

10:39:59 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: 409 star candidates left

10:39:59 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: got all star details successfully

10:39:59 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: removed stars that are too close to each other successfully: 0 stars removed

10:39:59 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: probed local background, noise and FWHM for all stars successfully

10:39:59 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: correcting star map and star list for possible bad star detections...

10:39:59 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: number of removed duplicate stars 0

10:39:59 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: final number of identified and fully analysed stars 409

10:39:59 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: receiving final details...

10:39:59 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: closed

10:39:59 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : received star analysis results of frame

10:39:59 - 3) ANALYSE STARS: # stars 409

10:39:59 - 3) ANALYSE STARS: quality score 243,31

10:39:59 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

10:39:59 - 3) ANALYSE STARS: FWHM minimum: 4,22

10:39:59 - 3) ANALYSE STARS: FWHM maximum: 4,75

10:39:59 - 3) ANALYSE STARS: received 8 of 8 frames to analyse

10:39:59 - 3) ANALYSE STARS:

10:39:59 - 3) ANALYSE STARS: determining suitable reference frame for registration and normalization...

10:39:59 - 3) ANALYSE STARS: bases on used instruments/camera's and image dimensions...

10:39:59 - 3) ANALYSE STARS: setting a new reference frame: from instrument ZWO CCD ASI533MC Pro

10:39:59 - 3) ANALYSE STARS: setting a new reference frame: from pixelcount 9 megapixels

10:39:59 - 3) ANALYSE STARS: setting a new reference frame: based on star analysis results: M81Test.fits

10:39:59 - 3) ANALYSE STARS: finished

10:39:59 - 3) ANALYSE STARS: received all results

10:39:59 - FRAME DETAILS UPDATER: starting...

10:39:59 - FRAME DETAILS UPDATER: no new frames to add

10:39:59 - FRAME DETAILS UPDATER: rebuilding all frame details...

10:39:59 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

10:39:59 - FRAME DETAILS UPDATER: updated succesfully

10:39:59 - CONSTRUCT FRAME DETAILS LIST: starting...

10:39:59 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

10:39:59 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

10:39:59 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

10:39:59 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

10:39:59 - CONSTRUCT FRAME DETAILS LIST: finished

10:39:59 - 2) CALIBRATE: VERIFY CALIBRATION MASTERS: all frames are verified

10:39:59 - FRAME DETAILS UPDATER: starting...

10:39:59 - FRAME DETAILS UPDATER: no new frames to add

10:39:59 - FRAME DETAILS UPDATER: rebuilding all frame details...

10:39:59 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

10:39:59 - FRAME DETAILS UPDATER: updated succesfully

10:39:59 - CONSTRUCT FRAME DETAILS LIST: starting...

10:39:59 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

10:39:59 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

10:39:59 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

10:39:59 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

10:39:59 - CONSTRUCT FRAME DETAILS LIST: finished

10:40:00 - 4) REGISTER: starting...

10:40:00 - 4) REGISTER: reference frame found: M81Test.fits

10:40:00 - 4) REGISTER: starting normal registration mode

10:40:00 - 4) REGISTER: created pattern recognition descriptors of the reference frame

10:40:00 - 4) REGISTER: 7 2-View registration tasks are created

10:40:03 - 4) REGISTER: initial number of accepted star pairs for frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits = 7827

10:40:03 - 4) REGISTER: initial number of accepted star pairs for frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits = 6423

10:40:03 - 4) REGISTER: number of accepted star pairs after removing duplicates for frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits = 336

10:40:03 - 4) REGISTER: number of accepted star pairs after removing duplicates for frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits = 364

10:40:03 - 4) REGISTER: initial number of accepted star pairs for frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits = 7325

10:40:03 - 4) REGISTER: initial number of accepted star pairs for frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits = 7462

10:40:03 - 4) REGISTER: number of accepted star pairs after removing false positives for frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits = 336

10:40:03 - 4) REGISTER: start expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:40:03 - 4) REGISTER: number of accepted star pairs after removing false positives for frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits = 364

10:40:03 - 4) REGISTER: start expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits no DDC performing RANSAC on # 364 pairs

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits no DDC performing RANSAC on # 336 pairs

10:40:03 - 4) REGISTER: initial number of accepted star pairs for frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits = 7184

10:40:03 - 4) REGISTER: initial number of accepted star pairs for frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits = 7208

10:40:03 - 4) REGISTER: initial number of accepted star pairs for frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits = 7963

10:40:03 - 4) REGISTER: number of accepted star pairs after removing duplicates for frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits = 351

10:40:03 - 4) REGISTER: number of accepted star pairs after removing false positives for frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits = 351

10:40:03 - 4) REGISTER: start expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:40:03 - 4) REGISTER: number of accepted star pairs after removing duplicates for frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits = 353

10:40:03 - 4) REGISTER: number of accepted star pairs after removing false positives for frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits = 353

10:40:03 - 4) REGISTER: start expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits
no DDC performing RANSAC on # 353 pairs

10:40:03 - 4) REGISTER: number of accepted star pairs after removing duplicates for frame
M_81_Light_120_secs_2020-04-24T01-12-20_008.fits = 357

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits
no DDC performing RANSAC on # 351 pairs

10:40:03 - 4) REGISTER: number of accepted star pairs after removing false positives for frame
M_81_Light_120_secs_2020-04-24T01-12-20_008.fits = 357

10:40:03 - 4) REGISTER: start expansion of registration hypothesis for frame
M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:40:03 - 4) REGISTER: number of accepted star pairs after removing duplicates for frame
M_81_Light_120_secs_2020-04-24T00-59-53_002.fits = 371

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits
no DDC performing RANSAC on # 357 pairs

10:40:03 - 4) REGISTER: number of accepted star pairs after removing duplicates for frame
M_81_Light_120_secs_2020-04-24T01-10-16_007.fits = 354

10:40:03 - 4) REGISTER: number of accepted star pairs after removing false positives for frame
M_81_Light_120_secs_2020-04-24T00-59-53_002.fits = 371

10:40:03 - 4) REGISTER: start expansion of registration hypothesis for frame
M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits
no DDC performing RANSAC on # 371 pairs

10:40:03 - 4) REGISTER: number of accepted star pairs after removing false positives for frame
M_81_Light_120_secs_2020-04-24T01-10-16_007.fits = 354

10:40:03 - 4) REGISTER: start expansion of registration hypothesis for frame
M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits
no DDC performing RANSAC on # 354 pairs

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits
no DDC after RANSAC # 329 pairs

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits
no DDC after RANSAC # 361 pairs

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits
start actual hypothesis expansion

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits
start actual hypothesis expansion

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits
no DDC after RANSAC # 351 pairs

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits
no DDC after RANSAC # 353 pairs

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits
initial RMS 0,238 on 361 star pairs

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits
initial RMS 0,241 on 329 star pairs

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits
safe margin 0,669 RANSAC Margin 1,000

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits
no DDC after RANSAC # 343 pairs

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits
safe margin 0,708 RANSAC Margin 1,000

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits
performing RANSAC on 364 pairs

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits
performing RANSAC on 337 pairs

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits
start actual hypothesis expansion

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits
start actual hypothesis expansion

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits
start actual hypothesis expansion

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits
no DDC after RANSAC # 350 pairs

10:40:03 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits
no DDC after RANSAC # 366 pairs

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits
initial RMS 0,243 on 351 star pairs

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits
safe margin 0,685 RANSAC Margin 1,000

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits
performing RANSAC on 354 pairs

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits
initial RMS 0,235 on 353 star pairs

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits
safe margin 0,683 RANSAC Margin 1,000

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits
performing RANSAC on 355 pairs

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits
start actual hypothesis expansion

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits
initial RMS 0,246 on 343 star pairs

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits
safe margin 0,687 RANSAC Margin 1,000

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits
start actual hypothesis expansion

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits
performing RANSAC on 351 pairs

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits
initial RMS 0,233 on 350 star pairs

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits
number of pairs 361 after RANSAC

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits
safe margin 0,686 RANSAC Margin 1,000

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits
performing RANSAC on 358 pairs

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits
initial RMS 0,264 on 366 star pairs

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits
number of pairs 329 after RANSAC

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits
safe margin 0,665 RANSAC Margin 1,000

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits
performing RANSAC on 372 pairs

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits
number of pairs before 361 number of pairs after 361 RMS 0,24 DDC model noUndistortionModel

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits
finished with number of pairs 361 RMS 0,24

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits
number of pairs before 329 number of pairs after 329 RMS 0,24 DDC model noUndistortionModel

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits
finished with number of pairs 329 RMS 0,24

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits
number of pairs 351 after RANSAC

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits
number of pairs 353 after RANSAC

10:40:04 - 4) REGISTER: finished expansion of registration hypothesis for frame
M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:40:04 - 4) REGISTER: finished expansion of registration hypothesis for frame
M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:40:04 - 4) REGISTER: number of final star pairs for frame M_81_Light_120_secs_2020-04-24T01-
16-28_010.fits = 329

10:40:04 - 4) REGISTER: number of final star pairs for frame M_81_Light_120_secs_2020-04-24T01-
04-03_004.fits = 361

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits
number of pairs 343 after RANSAC

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits
number of pairs before 351 number of pairs after 351 RMS 0,24 DDC model noUndistortionModel

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits
finished with number of pairs 351 RMS 0,24

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits
number of pairs before 353 number of pairs after 353 RMS 0,23 DDC model noUndistortionModel

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits
finished with number of pairs 353 RMS 0,23

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits
number of pairs 350 after RANSAC

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits
number of pairs before 343 number of pairs after 343 RMS 0,25 DDC model noUndistortionModel

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits
finished with number of pairs 343 RMS 0,25

10:40:04 - 4) REGISTER: finished expansion of registration hypothesis for frame
M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:40:04 - 4) REGISTER: number of final star pairs for frame M_81_Light_120_secs_2020-04-24T01-
10-16_007.fits = 353

10:40:04 - 4) REGISTER: finished expansion of registration hypothesis for frame
M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:40:04 - 4) REGISTER: number of final star pairs for frame M_81_Light_120_secs_2020-04-24T01-
14-24_009.fits = 351

10:40:04 - 4) REGISTER: finished expansion of registration hypothesis for frame
M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:40:04 - 4) REGISTER: number of final star pairs for frame M_81_Light_120_secs_2020-04-24T00-
57-48_001.fits = 343

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits
number of pairs before 350 number of pairs after 350 RMS 0,23 DDC model noUndistortionModel

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits finished with number of pairs 350 RMS 0,23

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits number of pairs 366 after RANSAC

10:40:04 - 4) REGISTER: finished expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:40:04 - 4) REGISTER: number of final star pairs for frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits = 350

10:40:04 - 4) REGISTER: 2-View registration results of frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits received

10:40:04 - 4) REGISTER: completed 1 of 7 2-View registration tasks

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits number of pairs before 366 number of pairs after 366 RMS 0,26 DDC model noUndistortionModel

10:40:04 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits finished with number of pairs 366 RMS 0,26

10:40:04 - 4) REGISTER: finished expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:40:04 - 4) REGISTER: number of final star pairs for frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits = 366

10:40:04 - 4) REGISTER: 2-View registration results of frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits received

10:40:04 - 4) REGISTER: completed 2 of 7 2-View registration tasks

10:40:04 - 4) REGISTER: frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits of type Light 4 CA STAR can't be registered

10:40:04 - 4) REGISTER: 2-View registration results of frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits received

10:40:04 - 4) REGISTER: completed 3 of 7 2-View registration tasks

10:40:04 - 4) REGISTER: 2-View registration results of frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits received

10:40:04 - 4) REGISTER: completed 4 of 7 2-View registration tasks

10:40:04 - 4) REGISTER: 2-View registration results of frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits received

10:40:04 - 4) REGISTER: completed 5 of 7 2-View registration tasks

10:40:04 - 4) REGISTER: 2-View registration results of frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits received

10:40:04 - 4) REGISTER: completed 6 of 7 2-View registration tasks

10:40:04 - 4) REGISTER: 2-View registration results of frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits received

10:40:04 - 4) REGISTER: completed 7 of 7 2-View registration tasks

10:40:04 - 4) REGISTER: normal registration: received all 2-view registration results...

10:40:04 - 4) REGISTER: calculating final projective registration model parameters of frame M81Test.fits

10:40:04 - 4) REGISTER: calculating final projective registration model parameters of frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:40:04 - 4) REGISTER: calculating final projective registration model parameters of frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:40:04 - 4) REGISTER: calculating final projective registration model parameters of frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:40:04 - 4) REGISTER: calculating final projective registration model parameters of frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:40:04 - 4) REGISTER: calculating final projective registration model parameters of frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:40:04 - 4) REGISTER: calculating final projective registration model parameters of frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:40:04 - 4) REGISTER: calculating final projective registration model parameters of frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:40:04 - 4) REGISTER: calculating adjusted quality score, star density and relative FWHM for frame M81Test.fits

10:40:04 - 4) REGISTER: calculating adjusted quality score, star density and relative FWHM for frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:40:04 - 4) REGISTER: calculating adjusted quality score, star density and relative FWHM for frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:40:04 - 4) REGISTER: calculating adjusted quality score, star density and relative FWHM for frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:40:04 - 4) REGISTER: calculating adjusted quality score, star density and relative FWHM for frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:40:04 - 4) REGISTER: calculating adjusted quality score, star density and relative FWHM for frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:40:04 - 4) REGISTER: calculating adjusted quality score, star density and relative FWHM for frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:40:04 - 4) REGISTER: calculating adjusted quality score, star density and relative FWHM for frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:40:04 - 4) REGISTER: received all results

10:40:04 - FRAME DETAILS UPDATER: starting...

10:40:04 - FRAME DETAILS UPDATER: no new frames to add
10:40:04 - FRAME DETAILS UPDATER: rebuilding all frame details...
10:40:04 - FRAME DETAILS UPDATER: checking if frames were identified earlier...
10:40:04 - FRAME DETAILS UPDATER: updated succesfully
10:40:04 - CONSTRUCT FRAME DETAILS LIST: starting...
10:40:04 - CONSTRUCT FRAME DETAILS LIST: sorting frames...
10:40:04 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...
10:40:04 - CONSTRUCT FRAME DETAILS LIST: numbering frames...
10:40:04 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...
10:40:04 - CONSTRUCT FRAME DETAILS LIST: finished
10:40:04 - 2) CALIBRATE: VERIFY CALIBRATION MASTERS: all frames are verified
10:40:04 - FRAME DETAILS UPDATER: starting...
10:40:04 - FRAME DETAILS UPDATER: no new frames to add
10:40:04 - FRAME DETAILS UPDATER: rebuilding all frame details...
10:40:04 - FRAME DETAILS UPDATER: checking if frames were identified earlier...
10:40:05 - FRAME DETAILS UPDATER: updated succesfully
10:40:05 - CONSTRUCT FRAME DETAILS LIST: starting...
10:40:05 - CONSTRUCT FRAME DETAILS LIST: sorting frames...
10:40:05 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...
10:40:05 - CONSTRUCT FRAME DETAILS LIST: numbering frames...
10:40:05 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...
10:40:05 - CONSTRUCT FRAME DETAILS LIST: finished
10:40:05 - 5) NORMALIZE: starting...
10:40:05 - 5) NORMALIZE: reference frame found
10:40:05 - 5) NORMALIZE: entering regular normalization mode...
10:40:05 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits
10:40:05 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits
10:40:05 - 5) NORMALIZE: loading the reference frame :
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits
10:40:05 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

10:40:05 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits was loaded successfully

10:40:05 - 5) NORMALIZE: converting the reference frame to 32bits normalized floats...

10:40:06 - DATA ANALYSER TOOLS: instantiated multi-core analytical memory blocks, size 511 MBs

10:40:06 - TOOLS: Background Calibrator: starting...

10:40:06 - TOOLS: Background Calibrator: adaptive pedestal 0.0

10:40:06 - TOOLS: Background Calibrator: applying background calibration...

10:40:06 - TOOLS: Background Calibrator: multipliers: 1,0000 1,0000 1,0000

10:40:06 - TOOLS: Background Calibrator: saving calibrated background values in metadata...

10:40:06 - TOOLS: Background Calibrator: finished successfully...

10:40:07 - 5) NORMALIZE: file: M81Test.fits : band 1 reference location and scale : 7,8431E-03 - 2,9966E-03

10:40:07 - 5) NORMALIZE: file: M81Test.fits : band 1 this frame location and scale: 7,8431E-03 - 2,9966E-03

10:40:07 - 5) NORMALIZE: file: M81Test.fits : band 1 MRS gaussian noise 1,4792E-03 percentage of pixels 91,758 %, scales used 1

10:40:07 - 5) NORMALIZE: file: M81Test.fits : band 1 SNR 1,3710E+00

10:40:07 - 5) NORMALIZE: file: M81Test.fits : band 2 reference location and scale : 7,8431E-03 - 0

10:40:07 - 5) NORMALIZE: file: M81Test.fits : band 2 this frame location and scale: 7,8431E-03 - 0

10:40:07 - 5) NORMALIZE: file: M81Test.fits : band 2 MRS gaussian noise 7,5282E-05 percentage of pixels 48,102 %, scales used 4

10:40:07 - 5) NORMALIZE: file: M81Test.fits : band 2 SNR 4,2982E+00

10:40:07 - 5) NORMALIZE: file: M81Test.fits : band 3 reference location and scale : 7,8431E-03 - 0

10:40:07 - 5) NORMALIZE: file: M81Test.fits : band 3 this frame location and scale: 7,8431E-03 - 0

10:40:07 - 5) NORMALIZE: file: M81Test.fits : band 3 MRS gaussian noise 1,3477E-04 percentage of pixels 20,810 %, scales used 4

10:40:07 - 5) NORMALIZE: file: M81Test.fits : band 3 SNR 4,7419E+00

10:40:07 -

10:40:07 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:40:07 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:40:07 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:40:07 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:40:07 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:40:07 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:40:07 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:40:07 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:40:07 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:40:07 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:40:07 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:40:07 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:40:07 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:40:07 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:40:07 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:40:07 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:40:08 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits was loaded successfully

10:40:09 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits was loaded successfully

10:40:09 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

10:40:10 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 1
reference location and scale : 7,8431E-03 - 2,9966E-03

10:40:10 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 1 this
frame location and scale: 7,8431E-03 - 3,0317E-03

10:40:10 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 1 MRS
gaussian noise 1,4690E-03 percentage of pixels 92,997 %, scales used 1

10:40:10 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 1 SNR
1,4331E+00

10:40:10 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 2
reference location and scale : 7,8431E-03 - 0

10:40:10 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 2 this
frame location and scale: 7,8431E-03 - 0

10:40:10 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 2 MRS
gaussian noise 0 percentage of pixels 0,000 %, scales used 0

10:40:10 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 2 SNR
NAN

10:40:10 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 3
reference location and scale : 7,8431E-03 - 0

10:40:10 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 3 this
frame location and scale: 7,8431E-03 - 0

10:40:10 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 3 MRS
gaussian noise 0 percentage of pixels 0,000 %, scales used 0

10:40:10 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 3 SNR
NAN

10:40:10 -

10:40:10 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:40:11 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

10:40:11 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits was loaded successfully

10:40:11 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 1
reference location and scale : 7,8431E-03 - 2,9966E-03

10:40:11 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 1 this
frame location and scale: 7,8431E-03 - 2,9991E-03

10:40:11 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 1 MRS
gaussian noise 1,4833E-03 percentage of pixels 92,192 %, scales used 1

10:40:11 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 1 SNR
1,4223E+00

10:40:11 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 2
reference location and scale : 7,8431E-03 - 0

10:40:11 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 2 this
frame location and scale: 7,8431E-03 - 0

10:40:11 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 2 MRS
gaussian noise 0 percentage of pixels 0,000 %, scales used 0

10:40:11 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 2 SNR
NAN

10:40:11 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 3
reference location and scale : 7,8431E-03 - 0

10:40:11 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 3 this
frame location and scale: 7,8431E-03 - 0

10:40:11 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 3 MRS
gaussian noise 0 percentage of pixels 0,000 %, scales used 0

10:40:11 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 3 SNR
NAN

10:40:11 -

10:40:11 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-
23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:40:12 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

10:40:12 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-
23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits was loaded successfully

10:40:13 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 1
reference location and scale : 7,8431E-03 - 2,9966E-03

10:40:13 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 1 this
frame location and scale: 7,8431E-03 - 2,9946E-03

10:40:13 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 1 MRS
gaussian noise 1,4846E-03 percentage of pixels 92,999 %, scales used 1

10:40:13 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 1 SNR 1,4242E+00

10:40:13 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 2 reference location and scale : 7,8431E-03 - 0

10:40:13 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 2 this frame location and scale: 7,8431E-03 - 0

10:40:13 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 2 MRS gaussian noise 0 percentage of pixels 0,000 %, scales used 0

10:40:13 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 2 SNR NAN

10:40:13 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 3 reference location and scale : 7,8431E-03 - 0

10:40:13 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 3 this frame location and scale: 7,8431E-03 - 0

10:40:13 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 3 MRS gaussian noise 0 percentage of pixels 0,000 %, scales used 0

10:40:13 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 3 SNR NAN

10:40:13 -

10:40:13 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:40:14 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits was loaded successfully

10:40:15 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

10:40:15 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 1 reference location and scale : 7,8431E-03 - 2,9966E-03

10:40:15 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 1 this frame location and scale: 3,9216E-03 - 3,1615E-03

10:40:15 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 1 MRS gaussian noise 1,4108E-03 percentage of pixels 95,955 %, scales used 1

10:40:15 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 1 SNR 1,5268E+00

10:40:15 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 2 reference location and scale : 7,8431E-03 - 0

10:40:15 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 2 this frame location and scale: 7,8431E-03 - 0

10:40:15 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 2 MRS gaussian noise 0 percentage of pixels 0,000 %, scales used 0

10:40:15 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 2 SNR NAN

10:40:15 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 3 reference location and scale : 7,8431E-03 - 0

10:40:15 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 3 this frame location and scale: 7,8431E-03 - 0

10:40:15 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 3 MRS gaussian noise 0 percentage of pixels 0,000 %, scales used 0

10:40:15 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 3 SNR NAN

10:40:15 -

10:40:15 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:40:16 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits was loaded successfully

10:40:17 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

10:40:17 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 1 reference location and scale : 7,8431E-03 - 2,9966E-03

10:40:17 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 1 this frame location and scale: 3,9216E-03 - 3,1208E-03

10:40:17 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 1 MRS gaussian noise 1,4305E-03 percentage of pixels 94,186 %, scales used 1

10:40:17 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 1 SNR 1,5204E+00

10:40:17 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 2 reference location and scale : 7,8431E-03 - 0

10:40:17 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 2 this frame location and scale: 7,8431E-03 - 0

10:40:17 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 2 MRS gaussian noise 0 percentage of pixels 0,000 %, scales used 0

10:40:17 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 2 SNR NAN

10:40:17 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 3 reference location and scale : 7,8431E-03 - 0

10:40:17 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 3 this frame location and scale: 7,8431E-03 - 0

10:40:17 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 3 MRS gaussian noise 0 percentage of pixels 0,000 %, scales used 0

10:40:17 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 3 SNR NAN

10:40:17 -

10:40:17 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:40:18 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

10:40:18 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits was loaded successfully

10:40:18 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 1 reference location and scale : 7,8431E-03 - 2,9966E-03

10:40:18 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 1 this frame location and scale: 7,8431E-03 - 2,9879E-03

10:40:18 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 1 MRS gaussian noise 1,4874E-03 percentage of pixels 94,073 %, scales used 1

10:40:18 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 1 SNR 1,4112E+00

10:40:18 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 2 reference location and scale : 7,8431E-03 - 0

10:40:18 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 2 this frame location and scale: 7,8431E-03 - 0

10:40:18 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 2 MRS gaussian noise 0 percentage of pixels 0,000 %, scales used 0

10:40:18 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 2 SNR NAN

10:40:18 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 3 reference location and scale : 7,8431E-03 - 0

10:40:18 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 3 this frame location and scale: 7,8431E-03 - 0

10:40:18 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 3 MRS gaussian noise 0 percentage of pixels 0,000 %, scales used 0

10:40:18 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 3 SNR NAN

10:40:18 -

10:40:19 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

10:40:20 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 1
reference location and scale : 7,8431E-03 - 2,9966E-03

10:40:20 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 1 this
frame location and scale: 3,9216E-03 - 3,0925E-03

10:40:20 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 1 MRS
gaussian noise 1,4454E-03 percentage of pixels 95,286 %, scales used 1

10:40:20 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 1 SNR
1,4594E+00

10:40:20 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 2
reference location and scale : 7,8431E-03 - 0

10:40:20 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 2 this
frame location and scale: 7,8431E-03 - 0

10:40:20 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 2 MRS
gaussian noise 0 percentage of pixels 0,000 %, scales used 0

10:40:20 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 2 SNR
NAN

10:40:20 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 3
reference location and scale : 7,8431E-03 - 0

10:40:20 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 3 this
frame location and scale: 7,8431E-03 - 0

10:40:20 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 3 MRS
gaussian noise 0 percentage of pixels 0,000 %, scales used 0

10:40:20 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 3 SNR
NAN

10:40:20 -

10:40:20 - 5) NORMALIZE: recalculating quality parameters per frame...

10:40:20 - 5) NORMALIZE: received normalization parameters successfully

10:40:21 - FRAME DETAILS UPDATER: starting...

10:40:21 - FRAME DETAILS UPDATER: no new frames to add

10:40:21 - FRAME DETAILS UPDATER: rebuilding all frame details...

10:40:21 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

10:40:21 - FRAME DETAILS UPDATER: updated successfully

10:40:21 - CONSTRUCT FRAME DETAILS LIST: starting...

10:40:21 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

10:40:21 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

10:40:21 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

10:40:21 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

10:40:21 - CONSTRUCT FRAME DETAILS LIST: finished

10:40:21 - 2) CALIBRATE: VERIFY CALIBRATION MASTERS: all frames are verified

10:40:21 - FRAME DETAILS UPDATER: starting...

10:40:21 - FRAME DETAILS UPDATER: no new frames to add

10:40:21 - FRAME DETAILS UPDATER: rebuilding all frame details...

10:40:21 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

10:40:21 - FRAME DETAILS UPDATER: updated succesfully

10:40:21 - CONSTRUCT FRAME DETAILS LIST: starting...

10:40:21 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

10:40:21 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

10:40:21 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

10:40:21 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

10:40:21 - CONSTRUCT FRAME DETAILS LIST: finished

10:40:21 - 6) INTEGRATE: detected a regular/non-mosaic integration

10:40:21 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

10:40:21 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

10:40:21 - 6) INTEGRATE: loading the reference frame to get a possible adaptive pedestal level in the integration(s)...

10:40:21 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

10:40:22 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits was loaded successfully

10:40:22 - 6) INTEGRATE: got adaptive pedestal level for the integration(s) : 0.0

10:40:22 - 6) INTEGRATE: found: 8 light frames to integrate...

10:40:22 - 6) INTEGRATE: analytical results per frame:

10:40:22 - 6) INTEGRATE: integration: frame: 1 exposure: 120,00 Signal to Noise Ratio (SNR): 1,041E+01 noise 1,689E-03 star density 426 star shape 0,72218 quality 493,27

10:40:22 - 6) INTEGRATE: integration: frame: 2 exposure: 120,00 Signal to Noise Ratio (SNR): NAN noise 1,469E-03 star density 380 star shape 0,58444 quality 395,52

10:40:22 - 6) INTEGRATE: integration: frame: 3 exposure: 120,00 Signal to Noise Ratio (SNR): NAN noise 1,483E-03 star density 399 star shape 0,55735 quality 394,78

10:40:22 - 6) INTEGRATE: integration: frame: 4 exposure: 120,00 Signal to Noise Ratio (SNR): NAN noise 1,485E-03 star density 396 star shape 0,57559 quality 399,26

10:40:22 - 6) INTEGRATE: integration: frame: 5 exposure: 120,00 Signal to Noise Ratio (SNR): NAN noise 1,411E-03 star density 414 star shape 0,66342 quality 500,55

10:40:22 - 6) INTEGRATE: integration: frame: 6 exposure: 120,00 Signal to Noise Ratio (SNR): NAN noise 1,431E-03 star density 419 star shape 0,71362 quality 550,60

10:40:22 - 6) INTEGRATE: integration: frame: 7 exposure: 120,00 Signal to Noise Ratio (SNR): NAN noise 1,487E-03 star density 408 star shape 0,62670 quality 456,51

10:40:22 - 6) INTEGRATE: integration: frame: 8 exposure: 120,00 Signal to Noise Ratio (SNR): NAN noise 1,445E-03 star density 409 star shape 0,59489 quality 437,52

10:40:22 - 6) INTEGRATE: integration: total exposure time: 960 seconds = 16,00 minutes = 0,267 hours

10:40:22 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

10:40:22 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

10:40:22 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:40:22 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

10:40:22 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:40:22 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

10:40:22 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:40:22 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

10:40:22 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:40:22 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

10:40:22 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:40:22 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:40:22 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:40:22 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:40:22 - 2) CALIBRATE: trying to find calibration details of light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:40:22 - 2) CALIBRATE: DID NOT FIND calibration masters for light frame:
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:40:22 - 6) INTEGRATE: integrate light frames: starting integration task...

10:40:22 - 6) INTEGRATE: integrate light frames: composition: full

10:40:22 - 6) INTEGRATE: integrate light frames: integration weights: equal

10:40:22 - 6) INTEGRATE: integrate light frames: integrating with the following weights per frame:

10:40:22 - 6) INTEGRATE: integrate light frames: frame: 1 weight: 100

10:40:22 - 6) INTEGRATE: integrate light frames: frame: 2 weight: 100

10:40:22 - 6) INTEGRATE: integrate light frames: frame: 3 weight: 100

10:40:22 - 6) INTEGRATE: integrate light frames: frame: 4 weight: 100

10:40:22 - 6) INTEGRATE: integrate light frames: frame: 5 weight: 100

10:40:22 - 6) INTEGRATE: integrate light frames: frame: 6 weight: 100

10:40:22 - 6) INTEGRATE: integrate light frames: frame: 7 weight: 100

10:40:22 - 6) INTEGRATE: integrate light frames: frame: 8 weight: 100

10:40:22 - 6) INTEGRATE: integrate light frames: projection of data: rectilinearProjection

10:40:22 - 6) INTEGRATE: integrate light frames: integration mode: average

10:40:22 - 6) INTEGRATE: integrate light frames: regular integration/no Drizzle: data resampling filter: lanczos-3-NUOS

10:40:22 - 6) INTEGRATE: integrate light frames: scaling integration/increasing resolution: 1.0x

10:40:22 - 6) INTEGRATE: integrate light frames: Force CFA disabled: only demosaicing frames if frames contain relevant metadata

10:40:22 - 6) INTEGRATE: integrate light frames: demosaic algorithm: Adaptive Airy Disc

10:40:22 - 6) INTEGRATE: integrate light frames: demosaic pattern: supported

10:40:22 - 6) INTEGRATE: integrate light frames: normalization mode: regular

10:40:22 - 6) INTEGRATE: integrate light frames: normalization method: multiply-scale

10:40:22 - 6) INTEGRATE: integrate light frames: applying background neutralization in normalization

10:40:22 - 6) INTEGRATE: integrate light frames: number of frames: 8

10:40:22 - 6) INTEGRATE: integrate light frames: frame type: Light

10:40:22 - 6) INTEGRATE: integrate light frames: outlier rejection local normalization: false

10:40:22 - 6) INTEGRATE: integrate light frames: outlier rejection filter: winsorized rejection

10:40:22 - 6) INTEGRATE: integrate light frames: outlier rejection kappa low: 6.0

10:40:22 - 6) INTEGRATE: integrate light frames: outlier rejection kappa high: 2.0

10:40:22 - 6) INTEGRATE: integrate light frames: outlier rejection diffraction protection: 5

10:40:22 - 6) INTEGRATE: integrate light frames: create rejection map: false

10:40:22 - 6) INTEGRATE: integrate light frames: create weight map (MBB and/or Drizzle): false

10:40:22 - 6) INTEGRATE: integrate light frames: create normalization map: false

10:40:22 - 6) INTEGRATE: integrate light frames: use Local Normalization Correction: false

10:40:22 -

10:40:22 - 6) INTEGRATE: integrate light frames: loading 1st frame

10:40:22 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

10:40:27 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits was loaded successfully

10:40:27 - 6) INTEGRATE: integrate light frames: got frame details, setting up integration task...

10:40:28 - 6) INTEGRATE: integrate light frames: got size of 1 frame: 110 MegaBytes

10:40:28 - 6) INTEGRATE: integrate light frames: using read buffer of 56 KiloBytes

10:40:28 - 6) INTEGRATE: integrate light frames: integration buffer consumes 6144 KiloBytes of RAM memory

10:40:28 - 6) INTEGRATE: integrate light frames: loading 4 frames while writing them to file mapper...

10:40:28 - MEMORY TO FILE MAPPER: trying to create memory to file mapping...

10:40:28 - MEMORY TO FILE MAPPER: file: Light
10:40:28 - MEMORY TO FILE MAPPER: number of files: 8
10:40:28 - MEMORY TO FILE MAPPER: size of one file: 27 Mega Pixels
10:40:28 - MEMORY TO FILE MAPPER: data type: FLOAT
10:40:28 - MEMORY TO FILE MAPPER: using file
D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\Light.dat
10:40:28 - MEMORY TO FILE MAPPER: file mapping succesfully created
10:40:28 - 6) INTEGRATE: integrate light frames: created memory to file mapper for main integration task
10:40:28 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits
10:40:31 - 6) INTEGRATE: integrate light frames: wrote frame: 1 to file mapper
10:40:33 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits
10:40:34 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-57-48_001.fits was loaded successfully
10:40:34 - 6) INTEGRATE: integrate light frames: loaded frame 2 of 8 frames
10:40:36 - 6) INTEGRATE: integrate light frames: wrote frame: 2 to file mapper
10:40:38 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits
10:40:38 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits was loaded successfully
10:40:38 - 6) INTEGRATE: integrate light frames: loaded frame 3 of 8 frames
10:40:41 - 6) INTEGRATE: integrate light frames: wrote frame: 3 to file mapper
10:40:41 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits
10:40:41 - 6) INTEGRATE: integrate light frames: loaded frame 4 of 8 frames
10:40:41 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-04-03_004.fits was loaded successfully
10:40:44 - 6) INTEGRATE: integrate light frames: wrote frame: 4 to file mapper

10:40:45 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

10:40:45 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits was loaded successfully

10:40:45 - 6) INTEGRATE: integrate light frames: loaded frame 5 of 8 frames

10:40:48 - 6) INTEGRATE: integrate light frames: wrote frame: 5 to file mapper

10:40:49 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

10:40:49 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits was loaded successfully

10:40:49 - 6) INTEGRATE: integrate light frames: loaded frame 6 of 8 frames

10:40:51 - 6) INTEGRATE: integrate light frames: wrote frame: 6 to file mapper

10:40:53 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

10:40:53 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-14-24_009.fits was loaded successfully

10:40:53 - 6) INTEGRATE: integrate light frames: loaded frame 7 of 8 frames

10:40:56 - 6) INTEGRATE: integrate light frames: wrote frame: 7 to file mapper

10:40:56 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits was loaded successfully

10:40:56 - 6) INTEGRATE: integrate light frames: loaded frame 8 of 8 frames

10:40:58 - 6) INTEGRATE: integrate light frames: wrote frame: 8 to file mapper

10:41:16 - 6) INTEGRATE: integrate light frames: integrating pixels 9576449 to 9582407

10:41:16 - 6) INTEGRATE: integrate light frames: constructing integration result

10:41:16 - MEMORY TO FILE MAPPER: closing memory to file mapper...D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\Light.dat

10:41:16 - MEMORY TO FILE MAPPER: removing mapped file

10:41:16 - MEMORY TO FILE MAPPER: closed successfully

10:41:16 - 6) INTEGRATE: integrate light frames: integration task has completed

10:41:16 - 6) INTEGRATE: integrate light frames: integration task finished

10:41:16 - DATA ANALYSER TOOLS: re-instantiated multi-core analytical memory blocks, size 511 MBs

10:41:19 - GENERAL FRAME SAVER:
D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : starting...

10:41:19 - GENERAL FRAME SAVER:
D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : starting FITS FRAME SAVER

10:41:19 - FITS FRAME SAVER:
D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : starting...

10:41:19 - FITS FRAME SAVER:
D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : constructing 32-bits FLOAT databuffer..

10:41:19 - FITS FRAME SAVER:
D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : creating FITS HEADER...

10:41:19 - FITS FRAME SAVER:
D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : writing to disc...

10:41:19 - FITS FRAME SAVER:
D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : finished successfully

10:41:19 - GENERAL FRAME SAVER:
D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : finished successfully

10:41:20 - FRAME DETAILS UPDATER: starting...

10:41:20 - FRAME DETAILS UPDATER: checking for duplicates in new frames...

10:41:20 - FRAME DETAILS UPDATER: adding 1 new frames...

10:41:20 - FRAME DETAILS UPDATER: acquired frame details of file M81.fits

10:41:20 - FRAME DETAILS UPDATER: adding integration frame: M81.fits

10:41:20 - FRAME DETAILS UPDATER: rebuilding all frame details...

10:41:20 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

10:41:20 - FRAME DETAILS UPDATER: updated succesfully

10:41:20 - CONSTRUCT FRAME DETAILS LIST: starting...

10:41:20 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

10:41:20 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

10:41:20 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

10:41:20 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

10:41:20 - CONSTRUCT FRAME DETAILS LIST: finished

10:41:20 - FRAME DETAILS UPDATER: starting...

10:41:20 - FRAME DETAILS UPDATER: no new frames to add

10:41:20 - FRAME DETAILS UPDATER: rebuilding all frame details...

10:41:20 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

10:41:20 - FRAME DETAILS UPDATER: updated succesfully

10:41:20 - CONSTRUCT FRAME DETAILS LIST: starting...

10:41:20 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

10:41:20 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

10:41:20 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

10:41:20 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

10:41:20 - CONSTRUCT FRAME DETAILS LIST: loading last integration:
D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits into image viewer...

10:41:20 - IMAGE VIEWER: loading into Linear Image Loader:
D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits

10:41:20 - GENERAL IMAGE LOADER: loading frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits

10:41:20 - CONSTRUCT FRAME DETAILS LIST: finished

10:41:21 - PREVIEW FILTER: filtering new frame:M81.fits

10:41:21 - PREVIEW FILTER: converting 32bits FLOAT data type frame to normalised 32bits FLOAT data type frame with range [0,1]

10:41:21 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

10:41:21 - PREVIEW FILTER: conversion succesfull

10:41:21 - GENERAL IMAGE LOADER: frame
D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits was loaded successfully

10:41:21 - PREVIEW FILTER: creating clone of frame...

10:41:22 - PREVIEW FILTER: DDP on

10:41:22 - PREVIEW FILTER: saturation off

10:41:22 - PREVIEW FILTER: auto DDP, black (B) point set to 0,000000

10:41:22 - PREVIEW FILTER: auto DDP, white (W) point set to 1,000000

10:41:22 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

10:41:22 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 0,000010

10:41:22 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 0,025000

10:41:22 - PREVIEW FILTER: starting 32bits preview filter

10:41:23 - PREVIEW FILTER: 32bits preview filter finished successfully

10:41:23 - PREVIEW FILTER: sending frame to IMAGE VIEWER