

LICENSE CFG HDD 775GB CPU

#CPU 8 using 07 threads APP 3%
OS 7%

RAM APP 1151/5120 OS 5755/7999

..n\AstroPixelProcessor

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

filter lanczos-3

no under/overshoot

drizzle integration

kernel topHatKernel

droplet size 1.0

INTEGRATE

mode interpolation

scale 1.0

integrate

orientation scale to fit linear(1)

M81.fits

log colors

stretch save

neutralize-BG invert data

1 0,000 B:0,00000 0,062 3
1 0,938 W:1,00000 1,000 3
reset 10.0 G:01,00 0.1

DDP auto saturation

? 15% BG, 3 sigma, 2,5% base

1 0,000 SI:0,00001 0,062 3
1 0,000 BA:0,02500 0,062 3

select	frame	file name	ISO/gain	exposure (s)	time shot
<input type="checkbox"/>	MasterBias MB-1	..\MB-1G_120.0-E_3.2E-9S-ZW0_CCD_AS1533MC_P18-3008X3008.fits	120	0,000	N/A
<input checked="" type="checkbox"/>	Integration 1	..\M81.fits	0,000	1080	N/A

Windows taskbar: AstroPix..., AstroPi..., Startpa..., Fotos, DEU, 17:55, 29.04.2020

LICENSE
CFG
HDD 775GB
CFU

orientation
 scale to fit

linear(1)

log
 colors

#CPU 8 using 07 threads
APP 2%

RAM APP 1266/5120
OS 6200/7999

M81.fits

..n\AstroPixelProcessor

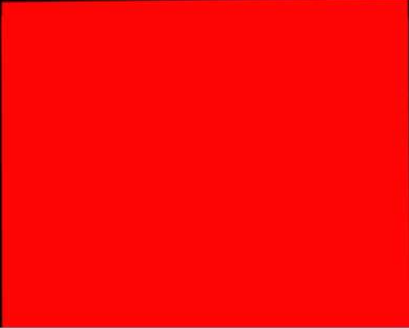
3) ANALYSE STARS
 0) RAW/FITS
 5) NORMALIZE

1) LOAD
 2) CALIBRATE
 6) INTEGRATE

4) REGISTER
 2) CALIBRATE
 9) TOOLS

filter

lanczos-3



stretch

save

neutralize-BG
 invert data

select	frame	file name	ISO/gain	exposure (s)	time shot
<input checked="" type="checkbox"/>	Light 1	MB-1 MD-1 CA STAR REG NORM D:\Dokumente\ Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits	120	120	2020-04-23T22:51:2
<input checked="" type="checkbox"/>	Light 2	MB-1 MD-1 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	2020-04-23T22:55:4
<input checked="" type="checkbox"/>	Light 3	MB-1 MD-1 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	2020-04-23T22:57:5
<input checked="" type="checkbox"/>	Light 4	MB-1 MD-1 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	2020-04-23T22:59:5
<input checked="" type="checkbox"/>	Light 5	MB-1 MD-1 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	2020-04-23T23:02:0
<input checked="" type="checkbox"/>	Light 6	MB-1 MD-1 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	2020-04-23T23:08:1
<input checked="" type="checkbox"/>	Light 7	MB-1 MD-1 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	2020-04-23T23:10:1
<input checked="" type="checkbox"/>	Light 8	MB-1 MD-1 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	2020-04-23T23:12:2
<input checked="" type="checkbox"/>	Light 9	MB-1 MD-1 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	2020-04-23T23:14:2
<input checked="" type="checkbox"/>	Dark 1	D:\Dokumente\ Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Dark\81_Dark_120_secs_2020-04-24T01-21-52_001.fits	120	120	2020-04-23T23:19:5
<input checked="" type="checkbox"/>	Dark 2	D:\Dokumente\ Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Dark\81_Dark_120_secs_2020-04-24T01-23-55_002.fits	120	120	2020-04-23T23:21:5
<input checked="" type="checkbox"/>	Dark 3	D:\Dokumente\ Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Dark\81_Dark_120_secs_2020-04-24T01-25-59_003.fits	120	120	2020-04-23T23:23:5
<input checked="" type="checkbox"/>	Dark 4	D:\Dokumente\ Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Dark\81_Dark_120_secs_2020-04-24T01-28-03_004.fits	120	120	2020-04-23T23:26:0
<input checked="" type="checkbox"/>	Dark 5	D:\Dokumente\ Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Dark\81_Dark_120_secs_2020-04-24T01-30-07_005.fits	120	120	2020-04-23T23:28:0
<input checked="" type="checkbox"/>	Bias 1	D:\Dokumente\ Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Bias\M_81_Bias_0.000032_secs_2020-04-24T01-31-02_001.fits	120	0,000	2020-04-23T23:31:0
<input checked="" type="checkbox"/>	Bias 2	D:\Dokumente\ Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Bias\M_81_Bias_0.000032_secs_2020-04-24T01-31-06_002.fits	120	0,000	2020-04-23T23:31:0
<input checked="" type="checkbox"/>	Bias 3	D:\Dokumente\ Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Bias\M_81_Bias_0.000032_secs_2020-04-24T01-31-09_003.fits	120	0,000	2020-04-23T23:31:0
<input checked="" type="checkbox"/>	Bias 4	D:\Dokumente\ Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Bias\M_81_Bias_0.000032_secs_2020-04-24T01-31-13_004.fits	120	0,000	2020-04-23T23:31:1
<input checked="" type="checkbox"/>	Bias 5	D:\Dokumente\ Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Bias\M_81_Bias_0.000032_secs_2020-04-24T01-31-17_005.fits	120	0,000	2020-04-23T23:31:1
<input checked="" type="checkbox"/>	MasterDark	MD-1 ..\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits	120	120	N/A
<input checked="" type="checkbox"/>	MasterBias	MB-1 ..\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits	120	0,000	N/A
<input checked="" type="checkbox"/>	Integration 1	..\M81.fits	0,000	1080	N/A
<input checked="" type="checkbox"/>	RejectionMap 1	..\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits	120	0,000	N/A
<input checked="" type="checkbox"/>	RejectionMap 2	..\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits	120	120	N/A

starting console output...

17:42:33 - LibRaw 201910 snapshot : trying to load LibRaw library...

17:42:33 - LibRaw 201910 snapshot : for raw conversion of Sony ARW, Adobe DNG files

17:42:33 - LibRaw 201910 snapshot : Windows OS detected

17:42:33 - LibRaw 201910 snapshot : loaded successfully : C:\Users\ChristinePeter\AppData\Local\Temp\AstroPPLibHpvCpU\libRawConverter.dll

17:42:33 -

17:42:33 - IMAGE VIEWER: profiling system for OpenGL compatibility...

17:42:33 - IMAGE VIEWER: trying to get hardware OpenGL profile

17:42:33 - IMAGE VIEWER: found hardware OpenGL 4 profile...

17:42:33 - IMAGE VIEWER: creating OpenGL image viewer...

17:42:33 - IMAGE VIEWER: initializing OpenGL 4

17:42:33 - IMAGE VIEWER: creating GL4 panel

17:42:33 - IMAGE VIEWER: GL Shading Language Version: 4.60 - Build 26.20.100.7262

17:42:33 - IMAGE VIEWER: getting display surface scale...

17:42:33 - IMAGE VIEWER: GL4: using GL Shading Language Version: 4.00

17:42:33 - IMAGE VIEWER: GL4: create image Vertex and Fragment shaders...

17:42:33 - IMAGE VIEWER: GL4: Texture VertexShader log:

17:42:33 -

17:42:33 - IMAGE VIEWER: GL4: Texture FragmentShader log:

17:42:33 -
17:42:33 - IMAGE VIEWER: GL4: create selectbox Vertex and Fragment shaders...
17:42:33 - IMAGE VIEWER: GL4: SelectBox VertexShader log:
17:42:33 -
17:42:33 - IMAGE VIEWER: GL4: SelectBox FragmentShader log:
17:42:33 -
17:42:33 - IMAGE VIEWER: GL4: creating buffers...
17:42:33 - IMAGE VIEWER: GL4: getting maximum Texture size...
17:42:33 - IMAGE VIEWER: GL4: maximum texture size: 16384
17:44:01 - IMAGE VIEWER: disabling openGL image viewer
17:44:08 - FRAME DETAILS UPDATER: starting...
17:44:08 - FRAME DETAILS UPDATER: no new frames to add
17:44:08 - FRAME DETAILS UPDATER: rebuilding all frame details...
17:44:08 - FRAME DETAILS UPDATER: updated succesfully
17:44:08 - CONSTRUCT FRAME DETAILS LIST: starting...
17:44:08 - CONSTRUCT FRAME DETAILS LIST: finished
17:44:08 - FRAME DETAILS UPDATER: starting...
17:44:08 - FRAME DETAILS UPDATER: no new frames to add
17:44:08 - FRAME DETAILS UPDATER: rebuilding all frame details...
17:44:08 - FRAME DETAILS UPDATER: updated succesfully

17:44:08 - CONSTRUCT FRAME DETAILS LIST: starting...

17:44:08 - CONSTRUCT FRAME DETAILS LIST: finished

17:46:03 - FRAME DETAILS UPDATER: starting...

17:46:03 - FRAME DETAILS UPDATER: checking for duplicates in new frames...

17:46:03 - FRAME DETAILS UPDATER: adding 9 new frames...

17:46:04 - FRAME DETAILS UPDATER: acquired frame details of file M81Test.fits

17:46:04 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

17:46:04 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

17:46:04 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

17:46:04 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

17:46:04 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

17:46:04 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

17:46:04 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

17:46:04 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

17:46:04 - FRAME DETAILS UPDATER: adding light frame: M81Test.fits

17:46:04 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

17:46:04 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

17:46:04 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

17:46:04 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

17:46:04 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

17:46:04 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits
17:46:04 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits
17:46:04 - FRAME DETAILS UPDATER: adding light frame: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits
17:46:04 - FRAME DETAILS UPDATER: rebuilding all frame details...
17:46:04 - FRAME DETAILS UPDATER: checking if frames were identified earlier...
17:46:04 - FRAME DETAILS UPDATER: updated succesfully
17:46:04 - CONSTRUCT FRAME DETAILS LIST: starting...
17:46:04 - CONSTRUCT FRAME DETAILS LIST: sorting frames...
17:46:04 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...
17:46:04 - CONSTRUCT FRAME DETAILS LIST: numbering frames...
17:46:04 - CONSTRUCT FRAME DETAILS LIST: finished
17:46:24 - FRAME DETAILS UPDATER: starting...
17:46:24 - FRAME DETAILS UPDATER: checking for duplicates in new frames...
17:46:24 - FRAME DETAILS UPDATER: adding 5 new frames...
17:46:24 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Dark_120_secs_2020-04-24T01-21-52_001.fits
17:46:24 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Dark_120_secs_2020-04-24T01-23-55_002.fits
17:46:24 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Dark_120_secs_2020-04-24T01-25-59_003.fits
17:46:24 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Dark_120_secs_2020-04-24T01-28-03_004.fits
17:46:24 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Dark_120_secs_2020-04-24T01-30-07_005.fits
17:46:24 - FRAME DETAILS UPDATER: adding dark frame: M_81_Dark_120_secs_2020-04-24T01-21-52_001.fits

17:46:24 - FRAME DETAILS UPDATER: adding dark frame: M_81_Dark_120_secs_2020-04-24T01-23-55_002.fits
17:46:24 - FRAME DETAILS UPDATER: adding dark frame: M_81_Dark_120_secs_2020-04-24T01-25-59_003.fits
17:46:24 - FRAME DETAILS UPDATER: adding dark frame: M_81_Dark_120_secs_2020-04-24T01-28-03_004.fits
17:46:24 - FRAME DETAILS UPDATER: adding dark frame: M_81_Dark_120_secs_2020-04-24T01-30-07_005.fits
17:46:24 - FRAME DETAILS UPDATER: rebuilding all frame details...
17:46:24 - FRAME DETAILS UPDATER: checking if frames were identified earlier...
17:46:24 - FRAME DETAILS UPDATER: updated succesfully
17:46:24 - CONSTRUCT FRAME DETAILS LIST: starting...
17:46:24 - CONSTRUCT FRAME DETAILS LIST: sorting frames...
17:46:24 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...
17:46:24 - CONSTRUCT FRAME DETAILS LIST: numbering frames...
17:46:24 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...
17:46:25 - CONSTRUCT FRAME DETAILS LIST: finished
17:46:38 - FRAME DETAILS UPDATER: starting...
17:46:38 - FRAME DETAILS UPDATER: checking for duplicates in new frames...
17:46:38 - FRAME DETAILS UPDATER: adding 5 new frames...
17:46:38 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Bias_0.000032_secs_2020-04-24T01-31-02_001.fits
17:46:38 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Bias_0.000032_secs_2020-04-24T01-31-06_002.fits
17:46:38 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Bias_0.000032_secs_2020-04-24T01-31-09_003.fits
17:46:38 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Bias_0.000032_secs_2020-04-24T01-31-13_004.fits

17:46:38 - FRAME DETAILS UPDATER: acquired frame details of file M_81_Bias_0.000032_secs_2020-04-24T01-31-17_005.fits
17:46:38 - FRAME DETAILS UPDATER: adding bias frame: M_81_Bias_0.000032_secs_2020-04-24T01-31-02_001.fits
17:46:38 - FRAME DETAILS UPDATER: adding bias frame: M_81_Bias_0.000032_secs_2020-04-24T01-31-06_002.fits
17:46:38 - FRAME DETAILS UPDATER: adding bias frame: M_81_Bias_0.000032_secs_2020-04-24T01-31-09_003.fits
17:46:38 - FRAME DETAILS UPDATER: adding bias frame: M_81_Bias_0.000032_secs_2020-04-24T01-31-13_004.fits
17:46:38 - FRAME DETAILS UPDATER: adding bias frame: M_81_Bias_0.000032_secs_2020-04-24T01-31-17_005.fits
17:46:38 - FRAME DETAILS UPDATER: rebuilding all frame details...
17:46:38 - FRAME DETAILS UPDATER: checking if frames were identified earlier...
17:46:39 - FRAME DETAILS UPDATER: updated succesfully
17:46:39 - CONSTRUCT FRAME DETAILS LIST: starting...
17:46:39 - CONSTRUCT FRAME DETAILS LIST: sorting frames...
17:46:39 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...
17:46:39 - CONSTRUCT FRAME DETAILS LIST: numbering frames...
17:46:39 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...
17:46:39 - CONSTRUCT FRAME DETAILS LIST: finished
17:52:40 - 2) CALIBRATE: will create 1 MasterBias frames...
17:52:40 - 2) CALIBRATE: creating MasterBias, ISO/gain: 120.0 DIM: 3008x3008
17:52:40 - 2) CALIBRATE: integrate bias frames: starting integration task...
17:52:40 - 2) CALIBRATE: integrate bias frames: integration mode: median
17:52:40 - 2) CALIBRATE: integrate bias frames: regular integration/no Drizzle: data resampling filter: not applicable

17:52:40 - 2) CALIBRATE: integrate bias frames: Force CFA disabled: only Bayer CFA processing of frames if frames contain relevant metadata

17:52:40 - 2) CALIBRATE: integrate bias frames: NOT demosaicing (calibration on CFA pixels)

17:52:40 - 2) CALIBRATE: integrate bias frames: demosaic algorithm: Adaptive Airy Disc

17:52:40 - 2) CALIBRATE: integrate bias frames: demosaic pattern: supported

17:52:40 - 2) CALIBRATE: integrate bias frames: number of frames: 5

17:52:40 - 2) CALIBRATE: integrate bias frames: frame type: Bias

17:52:40 - 2) CALIBRATE: integrate bias frames: outlier rejection filter: winsorized rejection

17:52:40 - 2) CALIBRATE: integrate bias frames: outlier rejection kappa low : 6.0

17:52:40 - 2) CALIBRATE: integrate bias frames: outlier rejection kappa high: 2.0

17:52:40 - 2) CALIBRATE: integrate bias frames: create rejection map: true

17:52:40 -

17:52:40 - 2) CALIBRATE: integrate bias frames: loading 1st frame

17:52:40 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Bias\M_81_Bias_0.000032_secs_2020-04-24T01-31-02_001.fits

17:52:41 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Bias\M_81_Bias_0.000032_secs_2020-04-24T01-31-02_001.fits was loaded successfully

17:52:41 - 2) CALIBRATE: integrate bias frames: got frame details, setting up integration task...

17:52:41 - 2) CALIBRATE: integrate bias frames: got size of 1 frame: 9 MegaBytes

17:52:41 - 2) CALIBRATE: integrate bias frames: got datasize (# of pixels * # of channels) of 1 frame: 9 Mega Pixels

17:52:41 - 2) CALIBRATE: integrate bias frames: using read buffer of 56 KiloBytes

17:52:41 - 2) CALIBRATE: integrate bias frames: integration buffer consumes 2560 KiloBytes of RAM memory

17:52:41 - 2) CALIBRATE: integrate bias frames: loading 4 frames while writing them to file mapper...

17:52:41 - MEMORY TO FILE MAPPER: trying to create memory to file mapping...

17:52:41 - MEMORY TO FILE MAPPER: file: Bias

17:52:41 - MEMORY TO FILE MAPPER: number of files: 5

17:52:41 - MEMORY TO FILE MAPPER: size of one file: 9 Mega Pixels

17:52:41 - MEMORY TO FILE MAPPER: data type: BYTE

17:52:41 - MEMORY TO FILE MAPPER: using file D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\Bias.dat

17:52:41 - MEMORY TO FILE MAPPER: file mapping succesfully created

17:52:41 - 2) CALIBRATE: integrate bias frames: created memory to file mapper for main integration task

17:52:41 - MEMORY TO FILE MAPPER: trying to create memory to file mapping...

17:52:41 - MEMORY TO FILE MAPPER: file: rejectionMap

17:52:41 - MEMORY TO FILE MAPPER: number of files: 1

17:52:41 - MEMORY TO FILE MAPPER: size of one file: 9 Mega Pixels

17:52:41 - MEMORY TO FILE MAPPER: data type: BYTE

17:52:41 - MEMORY TO FILE MAPPER: using file D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\rejectionMap.dat

17:52:41 - MEMORY TO FILE MAPPER: file mapping succesfully created

17:52:41 - 2) CALIBRATE: integrate bias frames: created memory to file mapper for rejection map

17:52:41 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Bias\M_81_Bias_0.000032_secs_2020-04-24T01-31-06_002.fits

17:52:42 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Bias\M_81_Bias_0.000032_secs_2020-04-24T01-31-09_003.fits

17:52:42 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Bias\M_81_Bias_0.000032_secs_2020-04-24T01-31-06_002.fits was loaded successfully

17:52:42 - 2) CALIBRATE: integrate bias frames: wrote frame: 1 to file mapper

17:52:42 - 2) CALIBRATE: integrate bias frames: loaded frame 2 of 5 frames

17:52:42 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Bias\M_81_Bias_0.000032_secs_2020-04-24T01-31-13_004.fits

17:52:42 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Bias\M_81_Bias_0.000032_secs_2020-04-24T01-31-09_003.fits was loaded successfully

17:52:42 - 2) CALIBRATE: integrate bias frames: wrote frame: 2 to file mapper

17:52:42 - 2) CALIBRATE: integrate bias frames: loaded frame 3 of 5 frames

17:52:42 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Bias\M_81_Bias_0.000032_secs_2020-04-24T01-31-17_005.fits

17:52:42 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Bias\M_81_Bias_0.000032_secs_2020-04-24T01-31-13_004.fits was loaded successfully

17:52:43 - 2) CALIBRATE: integrate bias frames: wrote frame: 3 to file mapper

17:52:43 - 2) CALIBRATE: integrate bias frames: loaded frame 4 of 5 frames

17:52:43 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Bias\M_81_Bias_0.000032_secs_2020-04-24T01-31-17_005.fits was loaded successfully

17:52:43 - 2) CALIBRATE: integrate bias frames: wrote frame: 4 to file mapper

17:52:43 - 2) CALIBRATE: integrate bias frames: loaded frame 5 of 5 frames

17:52:44 - 2) CALIBRATE: integrate bias frames: wrote frame: 5 to file mapper

17:52:48 - 2) CALIBRATE: integrate bias frames: integrating pixels 9003009 to 9048064

17:52:48 - 2) CALIBRATE: integrate bias frames: constructing integration result

17:52:48 - MEMORY TO FILE MAPPER: closing memory to file mapper...D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\Bias.dat

17:52:48 - MEMORY TO FILE MAPPER: removing mapped file

17:52:48 - MEMORY TO FILE MAPPER: closed succesfully

17:52:48 - 2) CALIBRATE: integrate bias frames: integration task has completed

17:52:48 - 2) CALIBRATE: integrate bias frames: integration task finished

17:52:48 - 2) CALIBRATE: analysing MasterBias...

17:52:48 - DATA ANALYSER TOOLS: instantiated multi-core analytical memory blocks, size 511 MBs

17:52:49 - 2) CALIBRATE: saving MasterBias MB-IG_120.0-E_3.2E-5s-ZWO CCD ASI533MC Pro-3008x3008

17:52:49 - GENERAL FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : starting...

17:52:49 - GENERAL FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : starting FITS FRAME SAVER

17:52:49 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : starting...

17:52:49 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : constructing 8-bits INTEGER databuffer..

17:52:49 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : creating FITS HEADER...

17:52:49 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : writing to disc...

17:52:50 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : finished successfully

17:52:50 - GENERAL FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : finished successfully

17:52:50 - 2) CALIBRATE: integrate bias frames: got datasize (# of pixels * # of channels) of 1 frame: 9048064 pixels

17:52:50 - MEMORY TO FILE MAPPER: closing memory to file mapper...D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\rejectionMap.dat

17:52:50 - MEMORY TO FILE MAPPER: removing mapped file

17:52:50 - MEMORY TO FILE MAPPER: closed successfully

17:52:50 - 2) CALIBRATE: saving MasterBias RejectionMap MB-IG_120.0-E_3.2E-5s-ZWO CCD ASI533MC Pro-3008x3008-rm

17:52:50 - GENERAL FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : starting...

17:52:50 - GENERAL FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : starting FITS FRAME SAVER

17:52:50 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : starting...

17:52:50 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : constructing 8-bits INTEGER databuffer..

17:52:50 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : creating FITS HEADER...

17:52:50 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : writing to disc...

17:52:50 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : finished successfully

17:52:50 - GENERAL FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : finished successfully

17:52:50 - 2) CALIBRATE: MasterBias creation is finished

17:52:50 - FRAME DETAILS UPDATER: starting...

17:52:50 - FRAME DETAILS UPDATER: checking for duplicates in new frames...

17:52:50 - FRAME DETAILS UPDATER: adding 1 new frames...

17:52:50 - FRAME DETAILS UPDATER: acquired frame details of file MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:52:50 - FRAME DETAILS UPDATER: found Master Bias: MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:52:50 - FRAME DETAILS UPDATER: rebuilding all frame details...

17:52:50 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

17:52:50 - FRAME DETAILS UPDATER: updated succesfully

17:52:50 - CONSTRUCT FRAME DETAILS LIST: starting...

17:52:50 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

17:52:50 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

17:52:50 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

17:52:50 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

17:52:50 - CONSTRUCT FRAME DETAILS LIST: finished

17:52:50 - FRAME DETAILS UPDATER: starting...

17:52:50 - FRAME DETAILS UPDATER: checking for duplicates in new frames...

17:52:50 - FRAME DETAILS UPDATER: adding 1 new frames...

17:52:50 - FRAME DETAILS UPDATER: acquired frame details of file MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits

17:52:50 - FRAME DETAILS UPDATER: found Rejection Map: MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits

17:52:50 - FRAME DETAILS UPDATER: rebuilding all frame details...

17:52:50 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

17:52:50 - FRAME DETAILS UPDATER: updated succesfully

17:52:50 - CONSTRUCT FRAME DETAILS LIST: starting...

17:52:50 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

17:52:50 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

17:52:50 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

17:52:50 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

17:52:50 - CONSTRUCT FRAME DETAILS LIST: finished

17:52:50 - 2) CALIBRATE: will create 1 MasterDark frames...

17:52:50 - 2) CALIBRATE: creating MasterDark, ISO/gain: 120.0 EXP: 120.0s DIM: 3008x3008

17:52:50 - 2) CALIBRATE: integrate dark frames: starting integration task...

17:52:50 - 2) CALIBRATE: integrate dark frames: integration mode: median

17:52:50 - 2) CALIBRATE: integrate dark frames: regular integration/no Drizzle: data resampling filter: not applicable

17:52:50 - 2) CALIBRATE: integrate dark frames: Force CFA disabled: only Bayer CFA processing of frames if frames contain relevant metadata

17:52:50 - 2) CALIBRATE: integrate dark frames: NOT demosaicing (calibration on CFA pixels)

17:52:50 - 2) CALIBRATE: integrate dark frames: demosaic algorithm: Adaptive Airy Disc

17:52:50 - 2) CALIBRATE: integrate dark frames: demosaic pattern: supported

17:52:50 - 2) CALIBRATE: integrate dark frames: number of frames: 5

17:52:50 - 2) CALIBRATE: integrate dark frames: frame type: Dark

17:52:50 - 2) CALIBRATE: integrate dark frames: outlier rejection filter: winsorized rejection

17:52:50 - 2) CALIBRATE: integrate dark frames: outlier rejection kappa low : 6.0

17:52:50 - 2) CALIBRATE: integrate dark frames: outlier rejection kappa high: 2.0

17:52:50 - 2) CALIBRATE: integrate dark frames: create rejection map: true

17:52:50 -

17:52:50 - 2) CALIBRATE: integrate dark frames: loading 1st frame

17:52:50 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Darks\M_81_Dark_120_secs_2020-04-24T01-21-52_001.fits

17:52:51 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Darks\M_81_Dark_120_secs_2020-04-24T01-21-52_001.fits was loaded successfully

17:52:51 - 2) CALIBRATE: integrate dark frames: got frame details, setting up integration task...

17:52:51 - 2) CALIBRATE: integrate dark frames: got size of 1 frame: 9 MegaBytes

17:52:51 - 2) CALIBRATE: integrate dark frames: got datasize (# of pixels * # of channels) of 1 frame: 9 Mega Pixels

17:52:51 - 2) CALIBRATE: integrate dark frames: using read buffer of 56 KiloBytes

17:52:51 - 2) CALIBRATE: integrate dark frames: integration buffer consumes 2560 KiloBytes of RAM memory

17:52:51 - 2) CALIBRATE: integrate dark frames: loading 4 frames while writing them to file mapper...

17:52:51 - MEMORY TO FILE MAPPER: trying to create memory to file mapping...

17:52:51 - MEMORY TO FILE MAPPER: file: Dark

17:52:51 - MEMORY TO FILE MAPPER: number of files: 5

17:52:51 - MEMORY TO FILE MAPPER: size of one file: 9 Mega Pixels

17:52:51 - MEMORY TO FILE MAPPER: data type: BYTE

17:52:51 - MEMORY TO FILE MAPPER: using file D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\Dark.dat

17:52:51 - MEMORY TO FILE MAPPER: file mapping succesfully created

17:52:51 - 2) CALIBRATE: integrate dark frames: created memory to file mapper for main integration task

17:52:51 - MEMORY TO FILE MAPPER: trying to create memory to file mapping...

17:52:51 - MEMORY TO FILE MAPPER: file: rejectionMap

17:52:51 - MEMORY TO FILE MAPPER: number of files: 1

17:52:51 - MEMORY TO FILE MAPPER: size of one file: 9 Mega Pixels

17:52:51 - MEMORY TO FILE MAPPER: data type: BYTE

17:52:51 - MEMORY TO FILE MAPPER: using file D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\rejectionMap.dat

17:52:51 - MEMORY TO FILE MAPPER: file mapping succesfully created

17:52:51 - 2) CALIBRATE: integrate dark frames: created memory to file mapper for rejection map

17:52:51 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Darks\M_81_Dark_120_secs_2020-04-24T01-23-55_002.fits

17:52:51 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Darks\M_81_Dark_120_secs_2020-04-24T01-25-59_003.fits

17:52:51 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Darks\M_81_Dark_120_secs_2020-04-24T01-23-55_002.fits was loaded successfully

17:52:51 - 2) CALIBRATE: integrate dark frames: wrote frame: 1 to file mapper

17:52:51 - 2) CALIBRATE: integrate dark frames: loaded frame 2 of 5 frames

17:52:52 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Darks\M_81_Dark_120_secs_2020-04-24T01-28-03_004.fits

17:52:52 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Darks\M_81_Dark_120_secs_2020-04-24T01-25-59_003.fits was loaded successfully

17:52:52 - 2) CALIBRATE: integrate dark frames: wrote frame: 2 to file mapper

17:52:52 - 2) CALIBRATE: integrate dark frames: loaded frame 3 of 5 frames

17:52:52 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Darks\M_81_Dark_120_secs_2020-04-24T01-30-07_005.fits

17:52:52 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Darks\M_81_Dark_120_secs_2020-04-24T01-28-03_004.fits was loaded successfully

17:52:52 - 2) CALIBRATE: integrate dark frames: wrote frame: 3 to file mapper

17:52:52 - 2) CALIBRATE: integrate dark frames: loaded frame 4 of 5 frames

17:52:53 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Darks\M_81_Dark_120_secs_2020-04-24T01-30-07_005.fits was loaded successfully

17:52:53 - 2) CALIBRATE: integrate dark frames: wrote frame: 4 to file mapper

17:52:53 - 2) CALIBRATE: integrate dark frames: loaded frame 5 of 5 frames

17:52:54 - 2) CALIBRATE: integrate dark frames: wrote frame: 5 to file mapper

17:52:58 - 2) CALIBRATE: integrate dark frames: integrating pixels 9003009 to 9048064

17:52:58 - 2) CALIBRATE: integrate dark frames: constructing integration result

17:52:58 - MEMORY TO FILE MAPPER: closing memory to file mapper...D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\Dark.dat

17:52:58 - MEMORY TO FILE MAPPER: removing mapped file

17:52:58 - MEMORY TO FILE MAPPER: closed successfully

17:52:58 - 2) CALIBRATE: integrate dark frames: integration task has completed

17:52:58 - 2) CALIBRATE: integrate dark frames: integration task finished

17:52:59 - 2) CALIBRATE: saving MasterDark MD-IG__120.0-E120.0s-ZWO CCD ASI533MC Pro-3008x3008

17:52:59 - GENERAL FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : starting...

17:52:59 - GENERAL FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : starting FITS FRAME SAVER

17:52:59 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : starting...

17:52:59 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : constructing 8-bits INTEGER databuffer..

17:52:59 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : creating FITS HEADER...

17:52:59 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : writing to disc...

17:52:59 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : finished successfully

17:52:59 - GENERAL FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits : finished successfully

17:52:59 - 2) CALIBRATE: integrate dark frames: got datasize (# of pixels * # of channels) of 1 frame: 9048064 pixels

17:52:59 - MEMORY TO FILE MAPPER: closing memory to file mapper...D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\rejectionMap.dat

17:52:59 - MEMORY TO FILE MAPPER: removing mapped file

17:52:59 - MEMORY TO FILE MAPPER: closed successfully

17:52:59 - 2) CALIBRATE: saving MasterDark Rejection Map MD-IG__120.0-E120.0s-ZWO CCD ASI533MC Pro-3008x3008

17:52:59 - GENERAL FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : starting...

17:52:59 - GENERAL FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : starting FITS FRAME SAVER

17:52:59 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : starting...

17:52:59 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : constructing 8-bits INTEGER databuffer..

17:52:59 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : creating FITS HEADER...

17:52:59 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : writing to disc...

17:52:59 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : finished successfully

17:52:59 - GENERAL FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits : finished successfully

17:52:59 - 2) CALIBRATE: assigning masters to light frames...

17:52:59 - 2) CALIBRATE: MasterDark creation is finished

17:52:59 - FRAME DETAILS UPDATER: starting...

17:52:59 - FRAME DETAILS UPDATER: checking for duplicates in new frames...

17:52:59 - FRAME DETAILS UPDATER: adding 1 new frames...

17:52:59 - FRAME DETAILS UPDATER: acquired frame details of file MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:52:59 - FRAME DETAILS UPDATER: found Master Dark: MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:52:59 - FRAME DETAILS UPDATER: rebuilding all frame details...

17:52:59 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

17:52:59 - FRAME DETAILS UPDATER: updated succesfully

17:53:00 - CONSTRUCT FRAME DETAILS LIST: starting...

17:53:00 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

17:53:00 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

17:53:00 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

17:53:00 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

17:53:00 - CONSTRUCT FRAME DETAILS LIST: finished

17:53:00 - FRAME DETAILS UPDATER: starting...

17:53:00 - FRAME DETAILS UPDATER: checking for duplicates in new frames...

17:53:00 - FRAME DETAILS UPDATER: adding 1 new frames...

17:53:00 - FRAME DETAILS UPDATER: acquired frame details of file MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits

17:53:00 - FRAME DETAILS UPDATER: found Rejection Map: MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008-rm.fits

17:53:00 - FRAME DETAILS UPDATER: checking for duplicates with already loaded rejection map frames

17:53:00 - FRAME DETAILS UPDATER: rebuilding all frame details...

17:53:00 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

17:53:00 - FRAME DETAILS UPDATER: updated succesfully

17:53:00 - CONSTRUCT FRAME DETAILS LIST: starting...

17:53:00 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

17:53:00 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

17:53:00 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

17:53:00 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

17:53:00 - CONSTRUCT FRAME DETAILS LIST: finished

17:53:00 - 2) CALIBRATE: found master calibration frames for frame: M81Test.fits

17:53:00 - 2) CALIBRATE: frame: M81Test.fits MasterBias :MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 - 2) CALIBRATE: frame: M81Test.fits MasterDark :MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 -

17:53:00 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits MasterBias :MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits MasterDark :MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 -

17:53:00 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits MasterBias :MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits MasterDark :MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 -

17:53:00 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits MasterBias :MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits MasterDark :MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 -

17:53:00 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits MasterBias :MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits MasterDark :MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 -

17:53:00 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits MasterBias :MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits MasterDark :MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 -

17:53:00 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits MasterBias :MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits MasterDark :MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 -

17:53:00 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits MasterBias :MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits MasterDark :MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 -

17:53:00 - 2) CALIBRATE: found master calibration frames for frame: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits MasterBias :MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 - 2) CALIBRATE: frame: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits MasterDark :MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:00 -

17:53:00 - FRAME DETAILS UPDATER: starting...

17:53:00 - FRAME DETAILS UPDATER: no new frames to add

17:53:00 - FRAME DETAILS UPDATER: rebuilding all frame details...

17:53:00 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

17:53:00 - FRAME DETAILS UPDATER: updated succesfully

17:53:00 - CONSTRUCT FRAME DETAILS LIST: starting...

17:53:00 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

17:53:00 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

17:53:00 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

17:53:00 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

17:53:00 - CONSTRUCT FRAME DETAILS LIST: finished

17:53:01 - 2) CALIBRATE: VERIFY CALIBRATION MASTERS: all frames are verified

17:53:01 - FRAME DETAILS UPDATER: starting...

17:53:01 - FRAME DETAILS UPDATER: no new frames to add

17:53:01 - FRAME DETAILS UPDATER: rebuilding all frame details...

17:53:01 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

17:53:01 - FRAME DETAILS UPDATER: updated succesfully

17:53:01 - CONSTRUCT FRAME DETAILS LIST: starting...

17:53:01 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

17:53:01 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

17:53:01 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

17:53:01 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

17:53:01 - CONSTRUCT FRAME DETAILS LIST: finished

17:53:01 - 3) ANALYSE STARS: starting...

17:53:01 - 2) CALIBRATE: trying to find calibration details of light frame: D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

17:53:01 - 2) CALIBRATE: found calibration masters for light frame: D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

17:53:01 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 -

17:53:01 - 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

17:53:01 - 2) CALIBRATE: found 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

17:53:01 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 -

17:53:01 - 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

17:53:01 - 2) CALIBRATE: found 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

17:53:01 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 -

17:53:01 - 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_2020-04-24T01-01-57_003.fits

17:53:01 - 2) CALIBRATE: found calibration masters for light frame: D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

17:53:01 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 -

17:53:01 - 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

17:53:01 - 2) CALIBRATE: found 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

17:53:01 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 -

17:53:01 - 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

17:53:01 - 2) CALIBRATE: found 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

17:53:01 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 -

17:53:01 - 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

17:53:01 - 2) CALIBRATE: found 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

17:53:01 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 -

17:53:01 - 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

17:53:01 - 2) CALIBRATE: found 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

17:53:01 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 -

17:53:01 - 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

17:53:01 - 2) CALIBRATE: found 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

17:53:01 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:01 -

17:53:01 - 3) ANALYSE STARS: 9 image loaders created...

17:53:01 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

17:53:01 - 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

17:53:01 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:01 - 2) CALIBRATE: Adaptive Data Pedestal set at: 0

17:53:01 - 2) CALIBRATE: Adaptive Data Pedestal re-initialized at: 0

17:53:01 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:02 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits was loaded successfully

17:53:02 - 2) CALIBRATE: Adaptive Data Pedestal re-initialized at: 0

17:53:02 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:02 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits was loaded successfully

17:53:02 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:02 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:02 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:02 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:02 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:02 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:02 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:02 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:02 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:02 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:02 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:02 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:02 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:02 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:02 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:02 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:02 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:02 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:02 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:02 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:02 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:02 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:02 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:02 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:03 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits was loaded successfully

17:53:03 - 3) ANALYSE STARS: M81Test.fits : starting analysis of stars in frame

17:53:03 - 3) ANALYSE STARS: M81Test.fits: starting...

17:53:03 - 3) ANALYSE STARS: M81Test.fits: color data

17:53:03 - 3) ANALYSE STARS: M81Test.fits: getting luminosity channel...

17:53:03 - 3) ANALYSE STARS: M81Test.fits: creating star map...

17:53:03 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:03 - 2) CALIBRATE: Adaptive Data Pedestal set at: 0

17:53:03 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:03 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:03 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:03 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:03 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:03 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:03 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:03 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:03 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:03 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:03 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:03 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:03 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:03 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:03 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:03 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:03 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:03 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:03 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:03 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:03 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:03 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:03 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:03 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:03 - 2) CALIBRATE: Adaptive Data Pedestal raised to: 1,814E+00

17:53:04 - 2) CALIBRATE: Adaptive Data Pedestal raised to: 3,629E+00

17:53:04 - DATA ANALYSER TOOLS: instantiated multi-core analytical memory blocks, size 511 MBs

17:53:04 - 2) CALIBRATE: Adaptive Data Pedestal raised to: 5,443E+00

17:53:05 - 3) ANALYSE STARS: M81Test.fits: identifying star candidates...

17:53:05 - 3) ANALYSE STARS: M81Test.fits: star map created successfully

17:53:05 - 3) ANALYSE STARS: M81Test.fits: identifying star candidates: initial FWHM estimate: 7,35 pixels

17:53:06 - 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

17:53:06 - 3) ANALYSE STARS: M81Test.fits: identifying star candidates: target noise level is at kappa 2.0

17:53:06 - 3) ANALYSE STARS: M81Test.fits: identifying star candidates: target luminosity of stars is 1,135E+00

17:53:06 - 3) ANALYSE STARS: M81Test.fits: identifying star candidates: initially identified 539 of possible star candidates

17:53:06 - 3) ANALYSE STARS: M81Test.fits: identified star candidates successfully

17:53:06 - 3) ANALYSE STARS: M81Test.fits: probing star positions and luminosities...

17:53:06 - 3) ANALYSE STARS: M81Test.fits: probing local background, noise and FWHM for all stars...

17:53:06 - 3) ANALYSE STARS: M81Test.fits: probed star positions and luminosities successfully

17:53:06 - 3) ANALYSE STARS: M81Test.fits: estimated Full Width at Half Maximum (FWHM) of star profiles : 6,20 +- 3,10 pixels...

17:53:06 - 3) ANALYSE STARS: M81Test.fits: analysing all stars candidates with star size areas equal to or larger than 12 pixels...

17:53:06 - 3) ANALYSE STARS: M81Test.fits: probed local background, noise and FWHM for all stars successfully

17:53:07 - 3) ANALYSE STARS: M81Test.fits: performed & collecting 2D general gaussian star profile regression and IW centroiding on all stars successfully

17:53:07 - 3) ANALYSE STARS: M81Test.fits: removed 117 star candidates stars from the initial star candidates

17:53:07 - 3) ANALYSE STARS: M81Test.fits: 422 star candidates left

17:53:07 - 3) ANALYSE STARS: M81Test.fits: removed stars that are too close to each other successfully: 0 stars removed

17:53:07 - 3) ANALYSE STARS: M81Test.fits: got all star details successfully

17:53:07 - 3) ANALYSE STARS: M81Test.fits: probed local background, noise and FWHM for all stars successfully

17:53:08 - 3) ANALYSE STARS: M81Test.fits: correcting star map and star list for possible bad star detections...

17:53:08 - 3) ANALYSE STARS: M81Test.fits: number of removed duplicate stars 0

17:53:08 - 3) ANALYSE STARS: M81Test.fits: final number of identified and fully analysed stars 422

17:53:08 - 3) ANALYSE STARS: M81Test.fits: receiving final details...

17:53:08 - 3) ANALYSE STARS: M81Test.fits: closed

17:53:08 - 3) ANALYSE STARS: M81Test.fits : received star analysis results of frame

17:53:08 - 3) ANALYSE STARS: # stars 422

17:53:08 - 3) ANALYSE STARS: quality score 302,33

17:53:08 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

17:53:08 - 3) ANALYSE STARS: FWHM minimum: 3,87

17:53:08 - 3) ANALYSE STARS: FWHM maximum: 4,08

17:53:08 - 3) ANALYSE STARS: received 1 of 9 frames to analyse

17:53:08 - 3) ANALYSE STARS:

17:53:08 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : starting analysis of stars in frame

17:53:08 - 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

17:53:08 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: starting...

17:53:08 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: color data

17:53:08 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: getting luminosity channel...

17:53:08 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: creating star map...

17:53:08 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:08 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:08 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:08 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:08 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:08 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:08 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:08 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:08 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:08 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:08 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:08 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:08 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:08 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:08 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:08 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:08 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:08 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:08 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:08 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:08 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:08 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:08 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:08 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:08 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:08 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:09 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: star map created successfully

17:53:09 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: identifying star candidates...

17:53:09 - 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

17:53:09 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: identifying star candidates: initial FWHM estimate: 8,37 pixels

17:53:09 - 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

17:53:09 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: identifying star candidates: target luminosity of stars is 1,133E+00

17:53:09 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: identifying star candidates: initially identified 478 of possible star candidates

17:53:09 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: probing star positions and luminosities...

17:53:09 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: identified star candidates successfully

17:53:10 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: probing local background, noise and FWHM for all stars...

17:53:10 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: probed star positions and luminosities successfully

17:53:10 - 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 : 7,27 +- 3,64 pixels...

17:53:10 - 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...

17:53:10 - 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

17:53:10 - 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

17:53:10 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: removed 92 star candidates stars from the initial star candidates

17:53:10 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: 386 star candidates left

17:53:10 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: got all star details succesfully

17:53:10 - 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

17:53:10 - 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

17:53:10 - 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...

17:53:10 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: number of removed duplicate stars 0

17:53:10 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: final number of identified and fully analysed stars 386

17:53:10 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: receiving final details...

17:53:10 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits: closed

17:53:10 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : received star analysis results of frame

17:53:10 - 3) ANALYSE STARS: # stars 386

17:53:10 - 3) ANALYSE STARS: quality score 225,20

17:53:10 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

17:53:10 - 3) ANALYSE STARS: FWHM minimum: 4,66

17:53:10 - 3) ANALYSE STARS: FWHM maximum: 4,98

17:53:10 - 3) ANALYSE STARS: received 2 of 9 frames to analyse

17:53:10 - 3) ANALYSE STARS:

17:53:10 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : starting analysis of stars in frame

17:53:10 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

17:53:10 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: starting...

17:53:10 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: color data

17:53:10 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: getting luminosity channel...

17:53:10 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: creating star map...

17:53:11 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:11 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:11 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:11 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:11 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:11 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:11 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:11 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:11 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:11 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:11 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:11 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:11 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:11 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:11 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:11 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:11 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:11 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:11 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:11 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:11 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:11 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:11 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:11 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:11 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:11 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:11 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: star map created successfully

17:53:11 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: identifying star candidates...

17:53:11 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: identifying star candidates: initial FWHM estimate: 8,06 pixels

17:53:12 - 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

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: identifying star candidates: target luminosity of stars is 1,136E+00

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: identifying star candidates: initially identified 477 of possible star candidates

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: identified star candidates successfully

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: probing star positions and luminosities...

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: probing local background, noise and FWHM for all stars...

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: probed star positions and luminosities successfully

17:53:12 - 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 : 7,01 +- 3,51 pixels...

17:53:12 - 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 14 pixels...

17:53:12 - 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

17:53:12 - 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

17:53:12 - 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

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: removed 81 star candidates stars from the initial star candidates

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: 396 star candidates left

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: got all star details succesfully

17:53:12 - 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

17:53:12 - 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

17:53:12 - 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...

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: number of removed duplicate stars 0

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: final number of identified and fully analysed stars 396

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: receiving final details...

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits: closed

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : received star analysis results of frame

17:53:12 - 3) ANALYSE STARS: # stars 396

17:53:12 - 3) ANALYSE STARS: quality score 221,59

17:53:12 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

17:53:12 - 3) ANALYSE STARS: FWHM minimum: 4,44

17:53:12 - 3) ANALYSE STARS: FWHM maximum: 5,03

17:53:12 - 3) ANALYSE STARS: received 3 of 9 frames to analyse

17:53:12 - 3) ANALYSE STARS:

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits : starting analysis of stars in frame

17:53:12 - 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

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: starting...

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: color data

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: getting luminosity channel...

17:53:12 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: creating star map...

17:53:13 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:13 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:13 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:13 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:13 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:13 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:13 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:13 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:13 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:13 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:13 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:13 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:13 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:13 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:13 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:13 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:13 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:13 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:13 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:13 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:13 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:13 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:13 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:13 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:13 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:13 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:14 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: star map created successfully

17:53:14 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: identifying star candidates...

17:53:14 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: identifying star candidates: initial FWHM estimate: 10,00 pixels

17:53:14 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: identifying star candidates: target noise level is at kappa 2.0

17:53:14 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: identifying star candidates: target luminosity of stars is 1,129E+00

17:53:14 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: identifying star candidates: initially identified 416 of possible star candidates

17:53:14 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: probing star positions and luminosities...

17:53:14 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: identified star candidates successfully

17:53:14 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: probing local background, noise and FWHM for all stars...

17:53:14 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: probed star positions and luminosities successfully

17:53:14 - 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

17:53:14 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: estimated Full Width at Half Maximum (FWHM) of star profiles : 8,72 +- 4,36 pixels...

17:53:14 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: analysing all stars candidates with star size areas equal to or larger than 17 pixels...

17:53:14 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: probed local background, noise and FWHM for all stars successfully

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: performed & collecting 2D general gaussian star profile regression and IW centroiding on all stars successfully

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: removed 76 star candidates stars from the initial star candidates

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: 340 star candidates left

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: removed stars that are too close to each other successfully: 0 stars removed

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: got all star details succesfully

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: probed local background, noise and FWHM for all stars successfully

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: correcting star map and star list for possible bad star detections...

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: number of removed duplicate stars 0

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: final number of identified and fully analysed stars 340

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: receiving final details...

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits: closed

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits : received star analysis results of frame

17:53:15 - 3) ANALYSE STARS: # stars 340

17:53:15 - 3) ANALYSE STARS: quality score 157,80

17:53:15 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

17:53:15 - 3) ANALYSE STARS: FWHM minimum: 5,29

17:53:15 - 3) ANALYSE STARS: FWHM maximum: 6,04

17:53:15 - 3) ANALYSE STARS: received 4 of 9 frames to analyse

17:53:15 - 3) ANALYSE STARS:

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : starting analysis of stars in frame

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: starting...

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: color data

17:53:15 - GENERAL IMAGE LOADER: loading frame D:\Dokumente\Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: getting luminosity channel...

17:53:15 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: creating star map...

17:53:15 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:15 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:15 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:15 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:15 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:15 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:15 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:15 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:15 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:15 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:15 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:15 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:15 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:15 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:15 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:15 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:15 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:15 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:15 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:15 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:15 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:15 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:15 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:15 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:15 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:15 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:16 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: star map created successfully

17:53:16 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: identifying star candidates...

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: identifying star candidates: initial FWHM estimate: 8,25 pixels

17:53:17 - 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

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: identifying star candidates: target luminosity of stars is 1,130E+00

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: identifying star candidates: initially identified 480 of possible star candidates

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: identified star candidates successfully

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: probing star positions and luminosities...

17:53:17 - 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

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: probed star positions and luminosities successfully

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: probing local background, noise and FWHM for all stars...

17:53:17 - 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 : 7,19 +- 3,59 pixels...

17:53:17 - 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 14 pixels...

17:53:17 - 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

17:53:17 - 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

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: removed 90 star candidates stars from the initial star candidates

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: 390 star candidates left

17:53:17 - 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

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: got all star details succesfully

17:53:17 - 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

17:53:17 - 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...

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: number of removed duplicate stars 0

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: final number of identified and fully analysed stars 390

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: receiving final details...

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits: closed

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : received star analysis results of frame

17:53:17 - 3) ANALYSE STARS: # stars 390

17:53:17 - 3) ANALYSE STARS: quality score 222,42

17:53:17 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

17:53:17 - 3) ANALYSE STARS: FWHM minimum: 4,51

17:53:17 - 3) ANALYSE STARS: FWHM maximum: 4,99

17:53:17 - 3) ANALYSE STARS: received 5 of 9 frames to analyse

17:53:17 - 3) ANALYSE STARS:

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : starting analysis of stars in frame

17:53:17 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: starting...

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: color data

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: getting luminosity channel...

17:53:17 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: creating star map...

17:53:18 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:18 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:18 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:18 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:18 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:18 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:18 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:18 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:18 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:18 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:18 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:18 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:18 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:18 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:18 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:18 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:18 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:18 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:18 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:18 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:18 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:18 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:18 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:18 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:18 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:18 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: identifying star candidates...

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: star map created successfully

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: identifying star candidates: initial FWHM estimate: 7,60 pixels

17:53:19 - 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

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: identifying star candidates: target luminosity of stars is 1,139E+00

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: identifying star candidates: initially identified 493 of possible star candidates

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: identified star candidates successfully

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: probing star positions and luminosities...

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: probing local background, noise and FWHM for all stars...

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: probed star positions and luminosities successfully

17:53:19 - 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 : 6,66 +- 3,33 pixels...

17:53:19 - 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 13 pixels...

17:53:19 - 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

17:53:19 - 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

17:53:19 - 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

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: removed 81 star candidates stars from the initial star candidates

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: 412 star candidates left

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: got all star details succesfully

17:53:19 - 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

17:53:19 - 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

17:53:19 - 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...

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: number of removed duplicate stars 0

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: final number of identified and fully analysed stars 412

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: receiving final details...

17:53:19 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits: closed

17:53:20 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : received star analysis results of frame

17:53:20 - 3) ANALYSE STARS: # stars 412

17:53:20 - 3) ANALYSE STARS: quality score 272,80

17:53:20 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

17:53:20 - 3) ANALYSE STARS: FWHM minimum: 4,31

17:53:20 - 3) ANALYSE STARS: FWHM maximum: 4,45

17:53:20 - 3) ANALYSE STARS: received 6 of 9 frames to analyse

17:53:20 - 3) ANALYSE STARS:

17:53:20 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : starting analysis of stars in frame

17:53:20 - 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

17:53:20 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: starting...

17:53:20 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: color data

17:53:20 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: getting luminosity channel...

17:53:20 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: creating star map...

17:53:20 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:20 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:20 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:20 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:20 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:20 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:20 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:20 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:20 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:20 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:20 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:20 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:20 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:20 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:20 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:20 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:20 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:20 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:20 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:20 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:20 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:20 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:20 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:20 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:20 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:20 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:21 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: star map created successfully

17:53:21 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: identifying star candidates...

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: identifying star candidates: initial FWHM estimate: 7,44 pixels

17:53:22 - 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

17:53:22 - 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

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: identifying star candidates: target luminosity of stars is 1,136E+00

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: identifying star candidates: initially identified 510 of possible star candidates

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: probing star positions and luminosities...

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: identified star candidates successfully

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: probing local background, noise and FWHM for all stars...

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: probed star positions and luminosities successfully

17:53:22 - 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 : 6,39 +- 3,19 pixels...

17:53:22 - 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...

17:53:22 - 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

17:53:22 - 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

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: removed 94 star candidates stars from the initial star candidates

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: 416 star candidates left

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: removed stars that are too close to each other successfully: 0 stars removed

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: got all star details successfully

17:53:22 - 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

17:53:22 - 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...

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: number of removed duplicate stars 0

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: final number of identified and fully analysed stars 416

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: receiving final details...

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits: closed

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : received star analysis results of frame

17:53:22 - 3) ANALYSE STARS: # stars 416

17:53:22 - 3) ANALYSE STARS: quality score 294,49

17:53:22 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

17:53:22 - 3) ANALYSE STARS: FWHM minimum: 4,15

17:53:22 - 3) ANALYSE STARS: FWHM maximum: 4,21

17:53:22 - 3) ANALYSE STARS: received 7 of 9 frames to analyse

17:53:22 - 3) ANALYSE STARS:

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : starting analysis of stars in frame

17:53:22 - 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

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: starting...

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: color data

17:53:22 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: getting luminosity channel...

17:53:23 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: creating star map...

17:53:24 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:24 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:24 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:24 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:24 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:24 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:24 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:24 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:24 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:24 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:24 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:24 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:24 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:24 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:24 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:24 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:24 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:24 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:24 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:24 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:24 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:24 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:24 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:24 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:24 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:24 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:24 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: identifying star candidates...

17:53:24 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: star map created successfully

17:53:24 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: identifying star candidates: initial FWHM estimate: 7,68 pixels

17:53:24 - 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

17:53:24 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: identifying star candidates: target luminosity of stars is 1,135E+00

17:53:24 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: identifying star candidates: initially identified 496 of possible star candidates

17:53:24 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: identified star candidates successfully

17:53:24 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: probing star positions and luminosities...

17:53:24 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: probing local background, noise and FWHM for all stars...

17:53:24 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: probed star positions and luminosities successfully

17:53:24 - 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

17:53:24 - 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 : 6,57 +- 3,28 pixels...

17:53:24 - 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...

17:53:24 - 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

17:53:25 - 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

17:53:25 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: removed 90 star candidates stars from the initial star candidates

17:53:25 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: 406 star candidates left

17:53:25 - 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

17:53:25 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: got all star details succesfully

17:53:25 - 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

17:53:25 - 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...

17:53:25 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: number of removed duplicate stars 0

17:53:25 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: final number of identified and fully analysed stars 406

17:53:25 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: receiving final details...

17:53:25 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits: closed

17:53:25 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : received star analysis results of frame

17:53:25 - 3) ANALYSE STARS: # stars 406

17:53:25 - 3) ANALYSE STARS: quality score 253,88

17:53:25 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star

17:53:25 - 3) ANALYSE STARS: FWHM minimum: 4,28

17:53:25 - 3) ANALYSE STARS: FWHM maximum: 4,61

17:53:25 - 3) ANALYSE STARS: received 8 of 9 frames to analyse

17:53:25 - 3) ANALYSE STARS:

17:53:25 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : starting analysis of stars in frame

17:53:25 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: starting...

17:53:25 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: color data

17:53:25 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: getting luminosity channel...

17:53:25 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: creating star map...

17:53:26 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: star map created successfully

17:53:26 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: identifying star candidates...

17:53:26 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: identifying star candidates: initial FWHM estimate: 7,68 pixels

17:53:27 - 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

17:53:27 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: identifying star candidates: target luminosity of stars is 1,140E+00

17:53:27 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: identifying star candidates: initially identified 488 of possible star candidates

17:53:27 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: probing star positions and luminosities...

17:53:27 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: identified star candidates successfully

17:53:27 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: probing local background, noise and FWHM for all stars...

17:53:27 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: probed star positions and luminosities successfully

17:53:27 - 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...

17:53:27 - 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...

17:53:27 - 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

17:53:27 - 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

17:53:27 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: removed 78 star candidates stars from the initial star candidates

17:53:27 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: 410 star candidates left

17:53:27 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: removed stars that are too close to each other successffully: 0 stars removed

17:53:27 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: got all star details succesfully

17:53:27 - 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

17:53:27 - 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...

17:53:27 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: number of removed duplicate stars 0

17:53:27 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: final number of identified and fully analysed stars 410

17:53:27 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: receiving final details...

17:53:27 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits: closed

17:53:27 - 3) ANALYSE STARS: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : received star analysis results of frame

17:53:27 - 3) ANALYSE STARS: # stars 410

17:53:27 - 3) ANALYSE STARS: quality score 239,66
17:53:27 - 3) ANALYSE STARS: Full Width at Half Maximum of the average analyzed star
17:53:27 - 3) ANALYSE STARS: FWHM minimum: 4,25
17:53:27 - 3) ANALYSE STARS: FWHM maximum: 4,81
17:53:27 - 3) ANALYSE STARS: received 9 of 9 frames to analyse
17:53:27 - 3) ANALYSE STARS:
17:53:27 - 3) ANALYSE STARS: determining suitable reference frame for registration and normalization...
17:53:27 - 3) ANALYSE STARS: bases on used instruments/camera's and image dimensions...
17:53:27 - 3) ANALYSE STARS: setting a new reference frame: from instrument ZWO CCD ASI533MC Pro
17:53:27 - 3) ANALYSE STARS: setting a new reference frame: from pixelcount 9 megapixels
17:53:27 - 3) ANALYSE STARS: setting a new reference frame: based on star analysis results: M81Test.fits
17:53:27 - 3) ANALYSE STARS: finished
17:53:27 - 3) ANALYSE STARS: received all results
17:53:27 - FRAME DETAILS UPDATER: starting...
17:53:27 - FRAME DETAILS UPDATER: no new frames to add
17:53:27 - FRAME DETAILS UPDATER: rebuilding all frame details...
17:53:27 - FRAME DETAILS UPDATER: checking if frames were identified earlier...
17:53:27 - FRAME DETAILS UPDATER: updated succesfully
17:53:27 - CONSTRUCT FRAME DETAILS LIST: starting...
17:53:27 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

17:53:27 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

17:53:27 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

17:53:27 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

17:53:27 - CONSTRUCT FRAME DETAILS LIST: finished

17:53:28 - 2) CALIBRATE: VERIFY CALIBRATION MASTERS: all frames are verified

17:53:28 - FRAME DETAILS UPDATER: starting...

17:53:28 - FRAME DETAILS UPDATER: no new frames to add

17:53:28 - FRAME DETAILS UPDATER: rebuilding all frame details...

17:53:28 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

17:53:28 - FRAME DETAILS UPDATER: updated succesfully

17:53:28 - CONSTRUCT FRAME DETAILS LIST: starting...

17:53:28 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

17:53:28 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

17:53:28 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

17:53:28 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

17:53:28 - CONSTRUCT FRAME DETAILS LIST: finished

17:53:28 - 4) REGISTER: starting...

17:53:28 - 4) REGISTER: reference frame found: M81Test.fits

17:53:28 - 4) REGISTER: starting normal registration mode

17:53:28 - 4) REGISTER: created pattern recognition descriptors of the reference frame

17:53:28 - 4) REGISTER: 8 2-View registration tasks are created

17:53:32 - 4) REGISTER: initial number of accepted star pairs for frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits = 6635

17:53:32 - 4) REGISTER: initial number of accepted star pairs for frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits = 7679

17:53:32 - 4) REGISTER: initial number of accepted star pairs for frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits = 7340

17:53:32 - 4) REGISTER: initial number of accepted star pairs for frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits = 7895

17:53:32 - 4) REGISTER: number of accepted star pairs after removing duplicates for frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits = 357

17:53:32 - 4) REGISTER: number of accepted star pairs after removing duplicates for frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits = 326

17:53:32 - 4) REGISTER: number of accepted star pairs after removing duplicates for frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits = 359

17:53:32 - 4) REGISTER: number of accepted star pairs after removing duplicates for frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits = 365

17:53:32 - 4) REGISTER: number of accepted star pairs after removing false positives for frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits = 324

17:53:32 - 4) REGISTER: start expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

17:53:32 - 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 = 365

17:53:32 - 4) REGISTER: start expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

17:53:32 - 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 = 359

17:53:32 - 4) REGISTER: start expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

17:53:32 - 4) REGISTER: initial number of accepted star pairs for frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits = 7816

17:53:32 - 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 = 357

17:53:32 - 4) REGISTER: start expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits no DDC performing RANSAC on # 357 pairs

17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits no DDC performing RANSAC on # 359 pairs

17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits no DDC performing RANSAC on # 324 pairs

17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits no DDC performing RANSAC on # 365 pairs

17:53:32 - 4) REGISTER: initial number of accepted star pairs for frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits = 7360

17:53:32 - 4) REGISTER: initial number of accepted star pairs for frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits = 7536

17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits no DDC after RANSAC # 365 pairs

17:53:32 - 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

17:53:32 - 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

17:53:32 - 4) REGISTER: start expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits no DDC performing RANSAC on # 371 pairs

17:53:32 - 4) REGISTER: number of accepted star pairs after removing duplicates for frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits = 358

17:53:32 - 4) REGISTER: number of accepted star pairs after removing duplicates for frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits = 366

17:53:32 - 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 = 358

17:53:32 - 4) REGISTER: start expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits no DDC performing RANSAC on # 358 pairs

17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits start actual hypothesis expansion

17:53:32 - 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 = 365

17:53:32 - 4) REGISTER: start expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits no DDC performing RANSAC on # 365 pairs

17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits no DDC after RANSAC # 321 pairs

17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits no DDC after RANSAC # 358 pairs

17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits initial RMS 0,222 on 365 star pairs
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits safe margin 0,665 RANSAC Margin 1,000
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits performing RANSAC on 365 pairs
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits start actual hypothesis expansion
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits no DDC after RANSAC # 355 pairs
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits start actual hypothesis expansion
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits no DDC after RANSAC # 371 pairs
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits start actual hypothesis expansion
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits initial RMS 0,299 on 321 star pairs
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits initial RMS 0,217 on 358 star pairs
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits safe margin 0,709 RANSAC Margin 1,000
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits safe margin 0,679 RANSAC Margin 1,000
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits performing RANSAC on 326 pairs
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits performing RANSAC on 359 pairs
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits start actual hypothesis expansion
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits initial RMS 0,231 on 355 star pairs
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits safe margin 0,674 RANSAC Margin 1,000
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits performing RANSAC on 358 pairs
17:53:32 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits no DDC after RANSAC # 362 pairs
17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits number of pairs 365 after RANSAC

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits initial RMS 0,244 on 371 star pairs

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits safe margin 0,661 RANSAC Margin 1,000

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits performing RANSAC on 372 pairs

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits no DDC after RANSAC # 357 pairs

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits start actual hypothesis expansion

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits number of pairs before 365 number of pairs after 365
RMS 0,22 DDC model noUndistortionModel

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits finished with number of pairs 365 RMS 0,22

17:53:33 - 4) REGISTER: finished expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

17:53:33 - 4) REGISTER: number of final star pairs for frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits = 365

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits start actual hypothesis expansion

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits initial RMS 0,226 on 362 star pairs

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits safe margin 0,675 RANSAC Margin 1,000

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits number of pairs 358 after RANSAC

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits performing RANSAC on 366 pairs

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits initial RMS 0,232 on 357 star pairs

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits safe margin 0,680 RANSAC Margin 1,000

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits number of pairs 356 after RANSAC

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits performing RANSAC on 358 pairs

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits number of pairs 323 after RANSAC

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits number of pairs before 358 number of pairs after 358
RMS 0,22 DDC model noUndistortionModel

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits finished with number of pairs 358 RMS 0,22

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits number of pairs 371 after RANSAC

17:53:33 - 4) REGISTER: finished expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

17:53:33 - 4) REGISTER: number of final star pairs for frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits = 358

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits number of pairs before 355 number of pairs after 356
RMS 0,23 DDC model noUndistortionModel

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits number of pairs before 321 number of pairs after 323
RMS 0,30 DDC model noUndistortionModel

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits number of pairs before 371 number of pairs after 371
RMS 0,24 DDC model noUndistortionModel

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits finished with number of pairs 371 RMS 0,24

17:53:33 - 4) REGISTER: finished expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

17:53:33 - 4) REGISTER: number of final star pairs for frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits = 371

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits number of pairs 362 after RANSAC

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits safe margin 0,708 RANSAC Margin 1,000

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits safe margin 0,674 RANSAC Margin 1,000

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits performing RANSAC on 326 pairs

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits performing RANSAC on 358 pairs

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits number of pairs before 362 number of pairs after 362
RMS 0,23 DDC model noUndistortionModel

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits finished with number of pairs 362 RMS 0,23

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits number of pairs 357 after RANSAC

17:53:33 - 4) REGISTER: finished expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

17:53:33 - 4) REGISTER: number of final star pairs for frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits = 362

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits number of pairs before 357 number of pairs after 357 RMS 0,23 DDC model noUndistortionModel

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits finished with number of pairs 357 RMS 0,23

17:53:33 - 4) REGISTER: finished expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits

17:53:33 - 4) REGISTER: number of final star pairs for frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits = 357

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits number of pairs 356 after RANSAC

17:53:33 - 4) REGISTER: initial number of accepted star pairs for frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits = 6799

17:53:33 - 4) REGISTER: number of accepted star pairs after removing duplicates for frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits = 346

17:53:33 - 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 = 346

17:53:33 - 4) REGISTER: start expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits no DDC performing RANSAC on # 346 pairs

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits number of pairs 323 after RANSAC

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits number of pairs before 356 number of pairs after 356 RMS 0,23 DDC model noUndistortionModel

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits finished with number of pairs 356 RMS 0,23

17:53:33 - 4) REGISTER: finished expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

17:53:33 - 4) REGISTER: number of final star pairs for frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits = 356

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits number of pairs before 323 number of pairs after 323
RMS 0,30 DDC model noUndistortionModel

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits finished with number of pairs 323 RMS 0,30

17:53:33 - 4) REGISTER: finished expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

17:53:33 - 4) REGISTER: number of final star pairs for frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits = 323

17:53:33 - 4) REGISTER: 2-View registration results of frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits received

17:53:33 - 4) REGISTER: completed 1 of 8 2-View registration tasks

17:53:33 - 4) REGISTER: 2-View registration results of frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits received

17:53:33 - 4) REGISTER: completed 2 of 8 2-View registration tasks

17:53:33 - 4) REGISTER: 2-View registration results of frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits received

17:53:33 - 4) REGISTER: completed 3 of 8 2-View registration tasks

17:53:33 - 4) REGISTER: 2-View registration results of frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits received

17:53:33 - 4) REGISTER: completed 4 of 8 2-View registration tasks

17:53:33 - 4) REGISTER: 2-View registration results of frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits received

17:53:33 - 4) REGISTER: completed 5 of 8 2-View registration tasks

17:53:33 - 4) REGISTER: 2-View registration results of frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits received

17:53:33 - 4) REGISTER: completed 6 of 8 2-View registration tasks

17:53:33 - 4) REGISTER: 2-View registration results of frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits received

17:53:33 - 4) REGISTER: completed 7 of 8 2-View registration tasks

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits no DDC after RANSAC # 345 pairs

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits start actual hypothesis expansion

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits initial RMS 0,236 on 345 star pairs

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits safe margin 0,691 RANSAC Margin 1,000

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits performing RANSAC on 346 pairs

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits number of pairs 345 after RANSAC

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits number of pairs before 345 number of pairs after 345
RMS 0,24 DDC model noUndistortionModel

17:53:33 - Best Registration Hypothesis: frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits finished with number of pairs 345 RMS 0,24

17:53:33 - 4) REGISTER: finished expansion of registration hypothesis for frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

17:53:33 - 4) REGISTER: number of final star pairs for frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits = 345

17:53:34 - 4) REGISTER: 2-View registration results of frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits received

17:53:34 - 4) REGISTER: completed 8 of 8 2-View registration tasks

17:53:34 - 4) REGISTER: normal registration: received all 2-view registration results...

17:53:34 - 4) REGISTER: calculating final projective registration model parameters of frame M81Test.fits

17:53:34 - 4) REGISTER: calculating final projective registration model parameters of frame M_81_Light_120_secs_2020-04-24T00-57-48_001.fits

17:53:34 - 4) REGISTER: calculating final projective registration model parameters of frame M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

17:53:34 - 4) REGISTER: calculating final projective registration model parameters of frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

17:53:34 - 4) REGISTER: calculating final projective registration model parameters of frame M_81_Light_120_secs_2020-04-24T01-04-03_004.fits

17:53:34 - 4) REGISTER: calculating final projective registration model parameters of frame M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

17:53:34 - 4) REGISTER: calculating final projective registration model parameters of frame M_81_Light_120_secs_2020-04-24T01-12-20_008.fits

17:53:34 - 4) REGISTER: calculating final projective registration model parameters of frame M_81_Light_120_secs_2020-04-24T01-14-24_009.fits
17:53:34 - 4) REGISTER: calculating final projective registration model parameters of frame M_81_Light_120_secs_2020-04-24T01-16-28_010.fits
17:53:34 - 4) REGISTER: calculating adjusted quality score, star density and relative FWHM for frame M81Test.fits
17:53:34 - 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
17:53:34 - 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
17:53:34 - 4) REGISTER: calculating adjusted quality score, star density and relative FWHM for frame M_81_Light_120_secs_2020-04-24T01-01-57_003.fits
17:53:34 - 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
17:53:34 - 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
17:53:34 - 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
17:53:34 - 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
17:53:34 - 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
17:53:34 - 4) REGISTER: received all results
17:53:34 - FRAME DETAILS UPDATER: starting...
17:53:34 - FRAME DETAILS UPDATER: no new frames to add
17:53:34 - FRAME DETAILS UPDATER: rebuilding all frame details...
17:53:34 - FRAME DETAILS UPDATER: checking if frames were identified earlier...
17:53:34 - FRAME DETAILS UPDATER: updated succesfully
17:53:34 - CONSTRUCT FRAME DETAILS LIST: starting...
17:53:34 - CONSTRUCT FRAME DETAILS LIST: sorting frames...
17:53:34 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

17:53:34 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

17:53:34 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

17:53:34 - CONSTRUCT FRAME DETAILS LIST: finished

17:53:34 - 2) CALIBRATE: VERIFY CALIBRATION MASTERS: all frames are verified

17:53:34 - FRAME DETAILS UPDATER: starting...

17:53:34 - FRAME DETAILS UPDATER: no new frames to add

17:53:34 - FRAME DETAILS UPDATER: rebuilding all frame details...

17:53:34 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

17:53:34 - FRAME DETAILS UPDATER: updated succesfully

17:53:34 - CONSTRUCT FRAME DETAILS LIST: starting...

17:53:34 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

17:53:34 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

17:53:34 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

17:53:34 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

17:53:34 - CONSTRUCT FRAME DETAILS LIST: finished

17:53:34 - 5) NORMALIZE: starting...

17:53:34 - 5) NORMALIZE: reference frame found

17:53:34 - 5) NORMALIZE: entering regular normalization mode...

17:53:34 - 2) CALIBRATE: trying to find calibration details of light frame: D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

17:53:34 - 2) CALIBRATE: found calibration masters for light frame: D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

17:53:34 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:34 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:34 -

17:53:34 - 5) NORMALIZE: loading the reference frame : D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

17:53:34 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

17:53:34 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:34 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:34 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:34 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:34 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:34 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:34 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:34 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:34 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:34 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:34 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:34 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:34 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:34 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:34 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:34 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:34 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:34 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:34 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:34 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:34 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:34 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:34 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:34 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:34 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:34 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:35 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits was loaded successfully

17:53:35 - 5) NORMALIZE: converting the reference frame to 32bits normalized floats...

17:53:36 - DATA ANALYSER TOOLS: instantiated multi-core analytical memory blocks, size 511 MBs

17:53:36 - TOOLS: Background Calibrator: starting...

17:53:36 - TOOLS: Background Calibrator: adaptive pedestal 0.02134

17:53:36 - TOOLS: Background Calibrator: applying background calibration with correction for adaptive pedestal...

17:53:36 - TOOLS: Background Calibrator: multipliers: 1,0000 1,0000 1,0000

17:53:36 - TOOLS: Background Calibrator: saving calibrated background values in metadata...

17:53:36 - TOOLS: Background Calibrator: finished successfully...

17:53:37 - 5) NORMALIZE: file: M81Test.fits : band 1 reference location and scale : 2,7451E-02 - 2,9996E-03

17:53:37 - 5) NORMALIZE: file: M81Test.fits : band 1 this frame location and scale: 2,7451E-02 - 2,9996E-03

17:53:37 - 5) NORMALIZE: file: M81Test.fits : band 1 MRS gaussian noise 1,4718E-03 percentage of pixels 92,899 %, scales used 1

17:53:37 - 5) NORMALIZE: file: M81Test.fits : band 1 SNR 1,3648E+00

17:53:37 - 5) NORMALIZE: file: M81Test.fits : band 2 reference location and scale : 2,7451E-02 - 0

17:53:37 - 5) NORMALIZE: file: M81Test.fits : band 2 this frame location and scale: 2,7451E-02 - 0

17:53:37 - 5) NORMALIZE: file: M81Test.fits : band 2 MRS gaussian noise 6,9088E-05 percentage of pixels 53,421 %, scales used 4

17:53:37 - 5) NORMALIZE: file: M81Test.fits : band 2 SNR 4,5288E+00

17:53:37 - 5) NORMALIZE: file: M81Test.fits : band 3 reference location and scale : 2,7451E-02 - 0

17:53:37 - 5) NORMALIZE: file: M81Test.fits : band 3 this frame location and scale: 2,7451E-02 - 0

17:53:37 - 5) NORMALIZE: file: M81Test.fits : band 3 MRS gaussian noise 1,1892E-04 percentage of pixels 21,302 %, scales used 4

17:53:37 - 5) NORMALIZE: file: M81Test.fits : band 3 SNR 5,0219E+00

17:53:37 -

17:53:37 - 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

17:53:37 - 2) CALIBRATE: found 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

17:53:37 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 -

17:53:37 - 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

17:53:37 - 2) CALIBRATE: found 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

17:53:37 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 -

17:53:37 - 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_2020-04-24T01-01-57_003.fits

17:53:37 - 2) CALIBRATE: found calibration masters for light frame: D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

17:53:37 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 -

17:53:37 - 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

17:53:37 - 2) CALIBRATE: found 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

17:53:37 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 -

17:53:37 - 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

17:53:37 - 2) CALIBRATE: found 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

17:53:37 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 -

17:53:37 - 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

17:53:37 - 2) CALIBRATE: found 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

17:53:37 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 -

17:53:37 - 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

17:53:37 - 2) CALIBRATE: found 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

17:53:37 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 -

17:53:37 - 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

17:53:37 - 2) CALIBRATE: found 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

17:53:37 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:37 -

17:53:37 - 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

17:53:37 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T00-59-53_002.fits

17:53:37 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:37 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:37 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:37 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:37 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:37 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:37 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:37 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:37 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:37 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:37 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:37 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:37 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:37 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:37 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:37 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:37 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:37 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:37 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:37 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:37 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:37 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:37 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:37 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:37 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:37 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:38 - 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

17:53:38 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:38 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:38 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:38 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:38 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:38 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:38 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:38 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:38 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:38 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:38 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:38 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:38 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:38 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:38 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:38 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:38 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:38 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:38 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:38 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:38 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:38 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:38 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:38 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:38 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:38 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:39 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

17:53:39 - 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

17:53:40 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 1 reference location and scale : 2,7451E-02 - 2,9996E-03

17:53:40 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 1 this frame location and scale: 2,7451E-02 - 3,0171E-03

17:53:40 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 1 MRS gaussian noise 1,4694E-03 percentage of pixels 94,251 %, scales used 1

17:53:40 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 1 SNR 1,4292E+00

17:53:40 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 2 reference location and scale : 2,7451E-02 - 0

17:53:40 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 2 this frame location and scale: 2,7451E-02 - 0

17:53:40 - 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

17:53:40 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 2 SNR NAN

17:53:40 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 3 reference location and scale : 2,7451E-02 - 0

17:53:40 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 3 this frame location and scale: 2,7451E-02 - 0

17:53:40 - 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

17:53:40 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-57-48_001.fits : band 3 SNR NAN

17:53:40 -

17:53:40 - 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

17:53:40 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:40 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:40 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:40 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:40 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:40 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:40 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:40 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:40 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:40 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:40 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:40 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:40 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:40 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:40 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:40 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:40 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:40 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:40 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:40 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:40 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:40 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:40 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:40 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:40 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:40 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:41 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

17:53:41 - 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

17:53:42 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 1 reference location and scale : 2,7451E-02 - 2,9996E-03

17:53:42 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 1 this frame location and scale: 2,7451E-02 - 2,9858E-03

17:53:42 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 1 MRS gaussian noise 1,4830E-03 percentage of pixels 92,346 %, scales used 1

17:53:42 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 1 SNR 1,4183E+00

17:53:42 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 2 reference location and scale : 2,7451E-02 - 0

17:53:42 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 2 this frame location and scale: 2,7451E-02 - 0

17:53:42 - 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

17:53:42 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 2 SNR NAN

17:53:42 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 3 reference location and scale : 2,7451E-02 - 0

17:53:42 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 3 this frame location and scale: 2,7451E-02 - 0

17:53:42 - 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

17:53:42 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T00-59-53_002.fits : band 3 SNR NAN

17:53:42 -

17:53:42 - 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

17:53:42 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:42 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:42 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:42 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:42 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:42 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:42 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:42 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:42 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:42 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:42 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:42 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:42 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:42 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:42 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:42 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:42 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:42 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:42 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:42 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:42 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:42 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:42 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:42 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:42 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:42 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:42 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

17:53:42 - 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

17:53:43 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits : band 1 reference location and scale : 2,7451E-02 - 2,9996E-03

17:53:43 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits : band 1 this frame location and scale: 2,7451E-02 - 2,9931E-03

17:53:43 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits : band 1 MRS gaussian noise 1,4779E-03 percentage of pixels 93,125 %, scales used 1

17:53:43 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits : band 1 SNR 1,3999E+00

17:53:43 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits : band 2 reference location and scale : 2,7451E-02 - 0

17:53:43 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits : band 2 this frame location and scale: 2,7451E-02 - 0

17:53:43 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits : band 2 MRS gaussian noise 0 percentage of pixels 0,000 %, scales used 0

17:53:43 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits : band 2 SNR NAN

17:53:43 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits : band 3 reference location and scale : 2,7451E-02 - 0

17:53:43 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits : band 3 this frame location and scale: 2,7451E-02 - 0

17:53:43 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits : band 3 MRS gaussian noise 0 percentage of pixels 0,000 %, scales used 0

17:53:43 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-01-57_003.fits : band 3 SNR NAN

17:53:43 -

17:53:43 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-10-16_007.fits

17:53:44 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:44 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:44 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:44 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:44 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:44 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:44 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:44 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:44 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:44 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:44 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:44 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:44 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:44 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:44 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:44 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:44 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:44 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:44 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:44 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:44 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:44 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:44 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:44 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:44 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:44 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:44 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

17:53:45 - 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

17:53:45 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 1 reference location and scale : 2,7451E-02 - 2,9996E-03

17:53:45 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 1 this frame location and scale: 2,7451E-02 - 2,9829E-03

17:53:45 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 1 MRS gaussian noise 1,4863E-03 percentage of pixels 93,130 %, scales used 1

17:53:45 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 1 SNR 1,4179E+00

17:53:45 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 2 reference location and scale : 2,7451E-02 - 0

17:53:45 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 2 this frame location and scale: 2,7451E-02 - 0

17:53:45 - 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

17:53:45 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 2 SNR NAN

17:53:45 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 3 reference location and scale : 2,7451E-02 - 0

17:53:45 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 3 this frame location and scale: 2,7451E-02 - 0

17:53:45 - 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

17:53:45 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-04-03_004.fits : band 3 SNR NAN

17:53:45 -

17:53:45 - 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

17:53:46 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:46 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:46 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:46 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:46 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:46 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:46 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:46 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:46 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:46 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:46 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:46 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:46 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:46 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:46 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:46 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:46 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:46 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:46 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:46 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:46 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:46 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:46 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:46 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:46 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:46 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:46 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

17:53:47 - 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

17:53:47 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 1 reference location and scale : 2,7451E-02 - 2,9996E-03

17:53:47 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 1 this frame location and scale: 2,3529E-02 - 3,1373E-03

17:53:47 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 1 MRS gaussian noise 1,4184E-03 percentage of pixels 96,084 %, scales used 1

17:53:47 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 1 SNR 1,5120E+00

17:53:47 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 2 reference location and scale : 2,7451E-02 - 0

17:53:47 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 2 this frame location and scale: 2,7451E-02 - 0

17:53:47 - 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

17:53:47 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 2 SNR NAN

17:53:47 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 3 reference location and scale : 2,7451E-02 - 0

17:53:47 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 3 this frame location and scale: 2,7451E-02 - 0

17:53:47 - 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

17:53:47 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-10-16_007.fits : band 3 SNR NAN

17:53:47 -

17:53:47 - 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

17:53:48 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:48 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:48 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:48 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:48 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:48 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:48 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:48 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:48 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:48 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:48 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:48 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:48 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:48 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:48 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:48 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:48 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:48 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:48 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:48 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:48 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:48 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:48 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:48 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:48 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:48 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:48 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

17:53:48 - 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

17:53:49 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 1 reference location and scale : 2,7451E-02 - 2,9996E-03

17:53:49 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 1 this frame location and scale: 2,3529E-02 - 3,1122E-03

17:53:49 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 1 MRS gaussian noise 1,4283E-03 percentage of pixels 95,407 %, scales used 1

17:53:49 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 1 SNR 1,5087E+00

17:53:49 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 2 reference location and scale : 2,7451E-02 - 0

17:53:49 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 2 this frame location and scale: 2,7451E-02 - 0

17:53:49 - 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

17:53:49 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 2 SNR NAN

17:53:49 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 3 reference location and scale : 2,7451E-02 - 0

17:53:49 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 3 this frame location and scale: 2,7451E-02 - 0

17:53:49 - 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

17:53:49 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-12-20_008.fits : band 3 SNR NAN

17:53:49 -

17:53:49 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-16-28_010.fits

17:53:49 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:49 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:49 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:49 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:49 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:49 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:49 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:49 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:49 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:49 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:49 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:49 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:49 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:49 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:49 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:49 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:49 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:49 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:49 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:49 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:49 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:49 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:49 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:49 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:49 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:49 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:50 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

17:53:50 - 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

17:53:50 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 1 reference location and scale : 2,7451E-02 - 2,9996E-03

17:53:50 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 1 this frame location and scale: 2,7451E-02 - 2,9808E-03

17:53:50 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 1 MRS gaussian noise 1,4871E-03 percentage of pixels 94,225 %, scales used 1

17:53:50 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 1 SNR 1,4050E+00

17:53:50 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 2 reference location and scale : 2,7451E-02 - 0

17:53:50 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 2 this frame location and scale: 2,7451E-02 - 0

17:53:50 - 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

17:53:50 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 2 SNR NAN

17:53:50 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 3 reference location and scale : 2,7451E-02 - 0

17:53:50 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 3 this frame location and scale: 2,7451E-02 - 0

17:53:50 - 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

17:53:50 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-14-24_009.fits : band 3 SNR NAN

17:53:50 -

17:53:51 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

17:53:52 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 1 reference location and scale : 2,7451E-02 - 2,9996E-03

17:53:52 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 1 this frame location and scale: 2,3529E-02 - 3,0547E-03

17:53:52 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 1 MRS gaussian noise 1,4586E-03 percentage of pixels 95,529 %, scales used 1

17:53:52 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 1 SNR 1,4459E+00

17:53:52 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 2 reference location and scale : 2,7451E-02 - 0

17:53:52 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 2 this frame location and scale: 2,7451E-02 - 0

17:53:52 - 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

17:53:52 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 2 SNR NAN

17:53:52 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 3 reference location and scale : 2,7451E-02 - 0

17:53:52 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 3 this frame location and scale: 2,7451E-02 - 0

17:53:52 - 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

17:53:52 - 5) NORMALIZE: file: M_81_Light_120_secs_2020-04-24T01-16-28_010.fits : band 3 SNR NAN

17:53:52 -

17:53:52 - 5) NORMALIZE: recalculating quality parameters per frame...

17:53:52 - 5) NORMALIZE: received normalization parameters successfully

17:53:53 - FRAME DETAILS UPDATER: starting...

17:53:53 - FRAME DETAILS UPDATER: no new frames to add

17:53:53 - FRAME DETAILS UPDATER: rebuilding all frame details...

17:53:53 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

17:53:53 - FRAME DETAILS UPDATER: updated successfully

17:53:53 - CONSTRUCT FRAME DETAILS LIST: starting...

17:53:53 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

17:53:53 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

17:53:53 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

17:53:53 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

17:53:53 - CONSTRUCT FRAME DETAILS LIST: finished

17:53:53 - 2) CALIBRATE: VERIFY CALIBRATION MASTERS: all frames are verified

17:53:53 - FRAME DETAILS UPDATER: starting...

17:53:53 - FRAME DETAILS UPDATER: no new frames to add

17:53:53 - FRAME DETAILS UPDATER: rebuilding all frame details...

17:53:53 - FRAME DETAILS UPDATER: checking if frames were identified earlier...

17:53:53 - FRAME DETAILS UPDATER: updated succesfully

17:53:53 - CONSTRUCT FRAME DETAILS LIST: starting...

17:53:53 - CONSTRUCT FRAME DETAILS LIST: sorting frames...

17:53:53 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...

17:53:53 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

17:53:53 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

17:53:53 - CONSTRUCT FRAME DETAILS LIST: finished

17:53:53 - 6) INTEGRATE: detected a regular/non-mosaic integration

17:53:53 - 2) CALIBRATE: trying to find calibration details of light frame: D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

17:53:53 - 2) CALIBRATE: found calibration masters for light frame: D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

17:53:53 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:53 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:53 -

17:53:53 - 6) INTEGRATE: loading the reference frame to get a possible adaptive pedestal level in the integration(s)...

17:53:53 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

17:53:53 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:53:53 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:53:53 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:53 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:53:53 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:53:53 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:53 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:53 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:53 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:53 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:53 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:53 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:53 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:53 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:53 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:53 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:53 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:53 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:53 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:53 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:53 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:53 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:53 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:53 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:53 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:53 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:54 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits was loaded successfully

17:53:54 - 6) INTEGRATE: got adaptive pedestal level for the integration(s) : 0.02134682352941177

17:53:54 - 6) INTEGRATE: found: 9 light frames to integrate...

17:53:54 - 6) INTEGRATE: analytical results per frame:

17:53:54 - 6) INTEGRATE: integration: frame: 1 exposure: 120,00 Signal to Noise Ratio (SNR): 1,092E+01 noise 1,660E-03 star density 422 star shape 0,71643 quality 496,47

17:53:54 - 6) INTEGRATE: integration: frame: 2 exposure: 120,00 Signal to Noise Ratio (SNR): NAN noise 1,469E-03 star density 386 star shape 0,58342 quality 401,92

17:53:54 - 6) INTEGRATE: integration: frame: 3 exposure: 120,00 Signal to Noise Ratio (SNR): NAN noise 1,483E-03 star density 396 star shape 0,55957 quality 390,71

17:53:54 - 6) INTEGRATE: integration: frame: 4 exposure: 120,00 Signal to Noise Ratio (SNR): NAN noise 1,478E-03 star density 340 star shape 0,46411 quality 260,69

17:53:54 - 6) INTEGRATE: integration: frame: 5 exposure: 120,00 Signal to Noise Ratio (SNR): NAN noise 1,486E-03 star density 390 star shape 0,57031 quality 388,76

17:53:54 - 6) INTEGRATE: integration: frame: 6 exposure: 120,00 Signal to Noise Ratio (SNR): NAN noise 1,418E-03 star density 412 star shape 0,66213 quality 490,21

17:53:54 - 6) INTEGRATE: integration: frame: 7 exposure: 120,00 Signal to Noise Ratio (SNR): NAN noise 1,428E-03 star density 416 star shape 0,70791 quality 543,22

17:53:54 - 6) INTEGRATE: integration: frame: 8 exposure: 120,00 Signal to Noise Ratio (SNR): NAN noise 1,487E-03 star density 406 star shape 0,62532 quality 449,74

17:53:54 - 6) INTEGRATE: integration: frame: 9 exposure: 120,00 Signal to Noise Ratio (SNR): NAN noise 1,459E-03 star density 410 star shape 0,58454 quality 427,82

17:53:54 - 6) INTEGRATE: integration: total exposure time: 1080 seconds = 18,00 minutes = 0,300 hours

17:53:54 - 2) CALIBRATE: trying to find calibration details of light frame: D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

17:53:54 - 2) CALIBRATE: found calibration masters for light frame: D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits

17:53:54 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 -

17:53:54 - 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

17:53:54 - 2) CALIBRATE: found 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

17:53:54 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 -

17:53:54 - 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

17:53:54 - 2) CALIBRATE: found 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

17:53:54 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 -

17:53:54 - 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_2020-04-24T01-01-57_003.fits

17:53:54 - 2) CALIBRATE: found calibration masters for light frame: D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

17:53:54 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 -

17:53:54 - 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

17:53:54 - 2) CALIBRATE: found 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

17:53:54 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 -

17:53:54 - 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

17:53:54 - 2) CALIBRATE: found 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

17:53:54 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 -

17:53:54 - 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

17:53:54 - 2) CALIBRATE: found 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

17:53:54 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 -

17:53:54 - 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

17:53:54 - 2) CALIBRATE: found 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

17:53:54 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 -

17:53:54 - 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

17:53:54 - 2) CALIBRATE: found 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

17:53:54 - 2) CALIBRATE: Master Bias : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MB-IG_120.0-E_3.2E-5s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 - 2) CALIBRATE: Master Dark : D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\MD-IG_120.0-E120.0s-ZWO_CCD_ASI533MC_Pro-3008x3008.fits

17:53:54 -

17:53:54 - 6) INTEGRATE: integrate light frames: starting integration task...

17:53:54 - 6) INTEGRATE: integrate light frames: composition: full

17:53:54 - 6) INTEGRATE: integrate light frames: integration weights: equal

17:53:54 - 6) INTEGRATE: integrate light frames: integrating with the following weights per frame:

17:53:54 - 6) INTEGRATE: integrate light frames: frame: 1 weight: 100

17:53:54 - 6) INTEGRATE: integrate light frames: frame: 2 weight: 100

17:53:54 - 6) INTEGRATE: integrate light frames: frame: 3 weight: 100

17:53:54 - 6) INTEGRATE: integrate light frames: frame: 4 weight: 100
17:53:54 - 6) INTEGRATE: integrate light frames: frame: 5 weight: 100
17:53:54 - 6) INTEGRATE: integrate light frames: frame: 6 weight: 100
17:53:54 - 6) INTEGRATE: integrate light frames: frame: 7 weight: 100
17:53:54 - 6) INTEGRATE: integrate light frames: frame: 8 weight: 100
17:53:54 - 6) INTEGRATE: integrate light frames: frame: 9 weight: 100
17:53:54 - 6) INTEGRATE: integrate light frames: projection of data: rectilinearProjection
17:53:54 - 6) INTEGRATE: integrate light frames: integration mode: average
17:53:54 - 6) INTEGRATE: integrate light frames: regular integration/no Drizzle: data resampling filter: lanczos-3-NUOS
17:53:54 - 6) INTEGRATE: integrate light frames: scaling integration/increasing resolution: 1.0x
17:53:54 - 6) INTEGRATE: integrate light frames: Force CFA disabled: only demosaicing frames if frames contain relevant metadata
17:53:54 - 6) INTEGRATE: integrate light frames: demosaic algorithm: Adaptive Airy Disc
17:53:54 - 6) INTEGRATE: integrate light frames: demosaic pattern: supported
17:53:54 - 6) INTEGRATE: integrate light frames: normalization mode: regular
17:53:54 - 6) INTEGRATE: integrate light frames: normalization method: multiply-scale
17:53:54 - 6) INTEGRATE: integrate light frames: applying background neutralization in normalization
17:53:54 - 6) INTEGRATE: integrate light frames: number of frames: 9
17:53:54 - 6) INTEGRATE: integrate light frames: frame type: Light
17:53:54 - 6) INTEGRATE: integrate light frames: outlier rejection local normalization: false
17:53:54 - 6) INTEGRATE: integrate light frames: outlier rejection filter: winsorized rejection

17:53:54 - 6) INTEGRATE: integrate light frames: outlier rejection kappa low: 6.0
17:53:54 - 6) INTEGRATE: integrate light frames: outlier rejection kappa high: 2.1
17:53:54 - 6) INTEGRATE: integrate light frames: outlier rejection diffraction protection: 6
17:53:54 - 6) INTEGRATE: integrate light frames: create rejection map: false
17:53:54 - 6) INTEGRATE: integrate light frames: create weight map (MBB and/or Drizzle): false
17:53:54 - 6) INTEGRATE: integrate light frames: create normalization map: false
17:53:54 - 6) INTEGRATE: integrate light frames: use Local Normalization Correction: false
17:53:54 -
17:53:54 - 6) INTEGRATE: integrate light frames: loading 1st frame
17:53:54 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits
17:53:55 - 2) CALIBRATE: Adaptive Data Pedestal: enabled
17:53:55 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00
17:53:55 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !
17:53:55 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1
17:53:55 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1
17:53:55 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias
17:53:55 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals
17:53:55 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.
17:53:55 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !
17:53:55 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:53:55 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:53:55 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:55 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:55 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:55 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:55 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:53:55 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:53:55 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:55 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:55 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:53:55 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:53:55 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:53:55 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:53:55 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:53:55 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:53:55 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:00 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M81Test.fits was loaded successfully

17:54:00 - 6) INTEGRATE: integrate light frames: got frame details, setting up integration task...

17:54:00 - 6) INTEGRATE: integrate light frames: got size of 1 frame: 110 MegaBytes

17:54:01 - 6) INTEGRATE: integrate light frames: using read buffer of 56 KiloBytes

17:54:01 - 6) INTEGRATE: integrate light frames: integration buffer consumes 6912 KiloBytes of RAM memory

17:54:01 - 6) INTEGRATE: integrate light frames: loading 4 frames while writing them to file mapper...

17:54:01 - MEMORY TO FILE MAPPER: trying to create memory to file mapping...

17:54:01 - MEMORY TO FILE MAPPER: file: Light

17:54:01 - MEMORY TO FILE MAPPER: number of files: 9

17:54:01 - MEMORY TO FILE MAPPER: size of one file: 27 Mega Pixels

17:54:01 - MEMORY TO FILE MAPPER: data type: FLOAT

17:54:01 - MEMORY TO FILE MAPPER: using file D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\Light.dat

17:54:01 - MEMORY TO FILE MAPPER: file mapping succesfully created

17:54:01 - 6) INTEGRATE: integrate light frames: created memory to file mapper for main integration task

17:54:01 - 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

17:54:01 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:54:01 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:54:01 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:01 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:54:01 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:54:01 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:01 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:01 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:01 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:01 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:54:01 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:54:01 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:01 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:01 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:01 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:01 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:54:01 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:54:01 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:01 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:01 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:01 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:01 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:54:01 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:54:01 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:01 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:01 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:03 - 6) INTEGRATE: integrate light frames: wrote frame: 1 to file mapper

17:54:04 - 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

17:54:04 - 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

17:54:04 - 6) INTEGRATE: integrate light frames: loaded frame 2 of 9 frames

17:54:05 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:54:05 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:54:05 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:05 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:54:05 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:54:05 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:05 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:05 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:05 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:05 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:54:05 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:54:05 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:05 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:05 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:05 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:05 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:54:05 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:54:05 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:05 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:05 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:05 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:05 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:54:05 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:54:05 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:05 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:05 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:07 - 6) INTEGRATE: integrate light frames: wrote frame: 2 to file mapper

17:54:10 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\Ekos\2020-04-23_M81\Lights\M_81_Light_120_secs_2020-04-24T01-01-57_003.fits

17:54:10 - 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

17:54:10 - 6) INTEGRATE: integrate light frames: loaded frame 3 of 9 frames

17:54:10 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:54:10 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:54:10 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:10 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:54:10 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:54:10 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:10 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:10 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:10 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:10 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:54:10 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:54:10 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:10 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:10 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:10 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:10 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:54:10 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:54:10 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:10 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:10 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:10 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:10 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:54:10 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:54:10 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:10 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:10 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:13 - 6) INTEGRATE: integrate light frames: wrote frame: 3 to file mapper

17:54:14 - 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

17:54:14 - 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

17:54:14 - 6) INTEGRATE: integrate light frames: loaded frame 4 of 9 frames

17:54:14 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:54:14 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:54:14 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:14 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:54:14 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:54:14 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:14 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:14 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:14 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:14 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:54:14 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:54:14 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:14 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:14 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:14 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:14 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:54:14 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:54:14 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:14 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:14 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:14 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:14 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:54:14 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:54:14 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:14 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:14 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:17 - 6) INTEGRATE: integrate light frames: wrote frame: 4 to file mapper

17:54:18 - 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

17:54:18 - 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

17:54:18 - 6) INTEGRATE: integrate light frames: loaded frame 5 of 9 frames

17:54:18 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:54:18 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:54:18 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:18 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:54:18 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:54:18 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:18 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:18 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:18 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:18 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:54:18 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:54:18 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:18 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:18 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:18 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:18 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:54:18 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:54:18 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:18 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:18 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:18 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:18 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:54:18 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:54:18 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias
17:54:18 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals
17:54:18 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.
17:54:21 - 6) INTEGRATE: integrate light frames: wrote frame: 5 to file mapper
17:54:22 - 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
17:54:22 - 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
17:54:22 - 6) INTEGRATE: integrate light frames: loaded frame 6 of 9 frames
17:54:22 - 2) CALIBRATE: Adaptive Data Pedestal: enabled
17:54:22 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00
17:54:22 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !
17:54:22 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1
17:54:22 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1
17:54:22 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias
17:54:22 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals
17:54:22 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.
17:54:22 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !
17:54:22 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2
17:54:22 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2
17:54:22 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:22 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals
17:54:22 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.
17:54:22 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !
17:54:22 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3
17:54:22 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3
17:54:22 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias
17:54:22 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals
17:54:22 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.
17:54:22 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !
17:54:22 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4
17:54:22 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4
17:54:22 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias
17:54:22 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals
17:54:22 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.
17:54:25 - 6) INTEGRATE: integrate light frames: wrote frame: 6 to file mapper
17:54:26 - 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
17:54:26 - 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
17:54:26 - 6) INTEGRATE: integrate light frames: loaded frame 7 of 9 frames
17:54:27 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:54:27 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:54:27 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:27 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:54:27 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:54:27 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:27 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:27 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:27 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:27 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:54:27 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:54:27 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:27 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:27 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:27 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:27 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:54:27 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:54:27 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:27 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:27 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:27 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:27 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:54:27 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:54:27 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:27 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:27 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:29 - 6) INTEGRATE: integrate light frames: wrote frame: 7 to file mapper

17:54:31 - 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

17:54:31 - 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

17:54:31 - 6) INTEGRATE: integrate light frames: loaded frame 8 of 9 frames

17:54:31 - 2) CALIBRATE: Adaptive Data Pedestal: enabled

17:54:31 - 2) CALIBRATE: Adaptive Data Pedestal set at: 5,443E+00

17:54:31 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:31 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 1

17:54:31 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 1

17:54:31 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:31 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:31 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:31 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:31 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 2

17:54:31 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 2

17:54:31 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:31 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:31 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:31 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:31 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 3

17:54:31 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 3

17:54:31 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:31 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:31 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:31 - 2) CALIBRATE: WARNING !!! we have detected a possible sensor offset issue between the MasterBias and the Masterdark !

17:54:31 - 2) CALIBRATE: WARNING !!! the MasterBias has a median value of: 0 for channel 4

17:54:31 - 2) CALIBRATE: WARNING !!! the MasterDark has a median value of: 0 for channel 4

17:54:31 - 2) CALIBRATE: WARNING !!! normally, the median value of the MasterDark should be the same or larger than the median value of the MasterBias

17:54:31 - 2) CALIBRATE: WARNING !!! because a dark should always contain the entire bias signal plus the dark current and possible amp glow signals

17:54:31 - 2) CALIBRATE: WARNING !!! some CMOS sensors however exhibit this behaviour due to CMOS technology.

17:54:34 - 6) INTEGRATE: integrate light frames: wrote frame: 8 to file mapper

17:54:36 - 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

17:54:36 - 6) INTEGRATE: integrate light frames: loaded frame 9 of 9 frames

17:54:38 - 6) INTEGRATE: integrate light frames: wrote frame: 9 to file mapper
17:54:55 - 6) INTEGRATE: integrate light frames: integrating pixels 9576449 to 9582407
17:54:55 - 6) INTEGRATE: integrate light frames: constructing integration result
17:54:55 - MEMORY TO FILE MAPPER: closing memory to file mapper...D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\Light.dat
17:54:55 - MEMORY TO FILE MAPPER: removing mapped file
17:54:55 - MEMORY TO FILE MAPPER: closed succesfully
17:54:56 - 6) INTEGRATE: integrate light frames: integration task has completed
17:54:56 - 6) INTEGRATE: integrate light frames: integration task finished
17:54:56 - DATA ANALYSER TOOLS: re-instantiated multi-core analytical memory blocks, size 511 MBs
17:54:58 - GENERAL FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : starting...
17:54:58 - GENERAL FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : starting FITS FRAME SAVER
17:54:58 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : starting...
17:54:58 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : constructing 32-bits FLOAT databuffer..
17:54:58 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : creating FITS HEADER...
17:54:58 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : writing to disc...
17:54:59 - FITS FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : finished successfully
17:54:59 - GENERAL FRAME SAVER: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits : finished successfully
17:54:59 - FRAME DETAILS UPDATER: starting...
17:54:59 - FRAME DETAILS UPDATER: checking for duplicates in new frames...
17:54:59 - FRAME DETAILS UPDATER: adding 1 new frames...

17:54:59 - FRAME DETAILS UPDATER: acquired frame details of file M81.fits
17:54:59 - FRAME DETAILS UPDATER: adding integration frame: M81.fits
17:54:59 - FRAME DETAILS UPDATER: rebuilding all frame details...
17:54:59 - FRAME DETAILS UPDATER: checking if frames were identified earlier...
17:54:59 - FRAME DETAILS UPDATER: updated succesfully
17:54:59 - CONSTRUCT FRAME DETAILS LIST: starting...
17:54:59 - CONSTRUCT FRAME DETAILS LIST: sorting frames...
17:54:59 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...
17:54:59 - CONSTRUCT FRAME DETAILS LIST: numbering frames...
17:54:59 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...
17:54:59 - CONSTRUCT FRAME DETAILS LIST: finished
17:54:59 - FRAME DETAILS UPDATER: starting...
17:54:59 - FRAME DETAILS UPDATER: no new frames to add
17:54:59 - FRAME DETAILS UPDATER: rebuilding all frame details...
17:54:59 - FRAME DETAILS UPDATER: checking if frames were identified earlier...
17:54:59 - FRAME DETAILS UPDATER: updated succesfully
17:54:59 - CONSTRUCT FRAME DETAILS LIST: starting...
17:54:59 - CONSTRUCT FRAME DETAILS LIST: sorting frames...
17:54:59 - CONSTRUCT FRAME DETAILS LIST: Fixing file arrays...
17:54:59 - CONSTRUCT FRAME DETAILS LIST: numbering frames...

17:54:59 - CONSTRUCT FRAME DETAILS LIST: adding frame marks...

17:54:59 - CONSTRUCT FRAME DETAILS LIST: loading last integration: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits into image viewer...

17:54:59 - IMAGE VIEWER: loading into Linear Image Loader: D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits

17:54:59 - CONSTRUCT FRAME DETAILS LIST: finished

17:54:59 - GENERAL IMAGE LOADER: loading frame D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits

17:55:00 - PREVIEW FILTER: filtering new frame:M81.fits

17:55:00 - PREVIEW FILTER: converting 32bits FLOAT data type frame to normalised 32bits FLOAT data type frame with range [0,1]

17:55:00 - IMAGE CONVERTER: image conversion not needed, data is already normalized...

17:55:01 - PREVIEW FILTER: conversion succesfull

17:55:01 - PREVIEW FILTER: creating clone of frame...

17:55:01 - GENERAL IMAGE LOADER: frame D:\Dokumente_Peter\Astronomie\Aufnahmen\AstroPixelProcessor\M81.fits was loaded successfully

17:55:01 - PREVIEW FILTER: DDP on

17:55:01 - PREVIEW FILTER: saturation off

17:55:01 - PREVIEW FILTER: auto DDP, black (B) point set to 0,000000

17:55:01 - PREVIEW FILTER: auto DDP, white (W) point set to 1,000000

17:55:01 - PREVIEW FILTER: auto DDP, reset gamma correction (G) to 1.0

17:55:01 - PREVIEW FILTER: auto DDP, setting stretch (ST) parameter to 0,000010

17:55:01 - PREVIEW FILTER: auto DDP, setting base (BA) pedestal to 0,025000

17:55:01 - PREVIEW FILTER: starting 32bits preview filter

17:55:02 - PREVIEW FILTER: 32bits preview filter finished successfully

17:55:02 - PREVIEW FILTER: converting 32bits frame to 16bits for image viewer...

17:55:03 - PREVIEW FILTER: 32bits to 16bits conversion was succesful

17:55:03 - PREVIEW FILTER: sending frame to IMAGE VIEWER