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FITS Header
SIMPLE = T / file does conform to FITS standard
BITPIX = 16 / number of bits per data pixel
NAXIS = 3 / number of data axes
NAXIS1 = 4656 / length of data axis 1
NAXIS2 = 3520 / length of data axis 2
NAXIS3 = 3 / length of data axis 3
EXTEND = T / FITS dataset may contain extensions
COMMENT = FITS (Flexible Image Transport System) format is defined in 'Astronomy
COMMENT = and Astrophysics', volume 376, page 359; bibcode: 2001A&A...376..359H
BZERO = 32768. / offset data range to that of unsigned short
BSCALE = 1. / default scaling factor
INSTRUME = 'ZWO CCD ASI1600MC-Cool' / instrument name
TELESCOP = 'Reducer' / telescope used to acquire this image
OBSERVER = 'JCJ' / observer name
DATE = '2021-06-16T06:38:28' / UTC date that FITS file was created
EXPTIME = 10. / Exposure time [s]
YPIXSZ = 3.8 / Y pixel size microns
YPIXSZ = 3.8 / Y pixel size microns
XBINNING = 1 / Camera binning mode
YBINNING = 1 / Camera binning mode
FOCALLEN = 1960. / Camera focal length
CCD-TEMP = -15. / CCD temp in C
GAIN = 139 / Camera gain
OFFSET = 21 / Camera offset
CTYPE1 = 'RA---TAN' / Coordinate type for the first axis
CTYPE2 = 'DEC--TAN' / Coordinate type for the second axis
EQUINOX = 2000. / Equatorial equinox
OBJECTRA = '16 41 39.25' / Image center R.A. (hms)
OBJECTDEC = '36 31 46.83' / Image center declination (dms)
PROGRAM = 'Siril v0.99.10' / Software that created this HDU
```

Close



31% fwhm: N/A Image:result.fits

cut 65535 Min/Max MIPS-LO/HI AutoStretch 0 User

```
Conversion Sequence Pre-processing Registration Plot Stacking Console
result.fits
08:38:04: dy: +0.12 px
08:38:04: FWHMx: 6.78 px
08:38:04: FWHMy: 6.08 px
08:38:05: Saving FITS: file r pp light 00019.fits, 3 layer(s), 4656x3520 pixels
08:38:06: Saving FITS: file r pp light 00016.fits, 3 layer(s), 4656x3520 pixels
08:38:06: Saving FITS: file r pp light 00015.fits, 3 layer(s), 4656x3520 pixels
08:38:07: Saving FITS: file r pp light 00017.fits, 3 layer(s), 4656x3520 pixels
08:38:07: Saving FITS: file r pp light 00020.fits, 3 layer(s), 4656x3520 pixels
08:38:07: Sequence processing succeeded.
08:38:07: Execution time: 27.95 s.
08:38:07: Registration finished.
08:38:07: 20 images processed.
08:38:07: Total: 0 failed, 20 registered.
08:38:07: # Stack calibrated lights to result.fit
08:38:07: Running command: stack
08:38:07: Stacking sequence r pp light
08:38:07: Processing all images in the sequence (20)
08:38:07: Computing normalization...
08:38:07: With the current memory and thread (8) limits, up to 8 thread(s) can be used for
sequence normalization
08:38:07: Reading FITS: file r pp light 00016.fits, 3 layer(s), 4656x3520 pixels
08:38:09: Reading FITS: file r pp light 00006.fits, 3 layer(s), 4656x3520 pixels
08:38:09: Reading FITS: file r pp light 00002.fits, 3 layer(s), 4656x3520 pixels
08:38:09: Reading FITS: file r pp light 00003.fits, 3 layer(s), 4656x3520 pixels
08:38:09: Reading FITS: file r pp light 00007.fits, 3 layer(s), 4656x3520 pixels
08:38:10: Reading FITS: file r pp light 00004.fits, 3 layer(s), 4656x3520 pixels
08:38:10: Reading FITS: file r pp light 00008.fits, 3 layer(s), 4656x3520 pixels
08:38:10: Reading FITS: file r pp light 00001.fits, 3 layer(s), 4656x3520 pixels
08:38:10: Reading FITS: file r pp light 00005.fits, 3 layer(s), 4656x3520 pixels
08:38:12: Reading FITS: file r pp light 00009.fits, 3 layer(s), 4656x3520 pixels
08:38:13: Reading FITS: file r pp light 00012.fits, 3 layer(s), 4656x3520 pixels
08:38:13: Reading FITS: file r pp light 00010.fits, 3 layer(s), 4656x3520 pixels
08:38:13: Reading FITS: file r pp light 00011.fits, 3 layer(s), 4656x3520 pixels
08:38:13: Reading FITS: file r pp light 00017.fits, 3 layer(s), 4656x3520 pixels
08:38:13: Reading FITS: file r pp light 00015.fits, 3 layer(s), 4656x3520 pixels
08:38:13: Reading FITS: file r pp light 00013.fits, 3 layer(s), 4656x3520 pixels
08:38:13: Reading FITS: file r pp light 00014.fits, 3 layer(s), 4656x3520 pixels
08:38:14: Reading FITS: file r pp light 00018.fits, 3 layer(s), 4656x3520 pixels
08:38:16: Reading FITS: file r pp light 00019.fits, 3 layer(s), 4656x3520 pixels
08:38:16: Reading FITS: file r pp light 00020.fits, 3 layer(s), 4656x3520 pixels
08:38:17: Using 10906 MB memory maximum for stacking
08:38:17: We have 15 parallel blocks of size 704 (+0) for stacking.
08:38:17: Starting stacking...
08:38:28: Pixel rejection in channel #0: 0.015% - 1.851%
08:38:28: Pixel rejection in channel #1: 0.014% - 1.928%
08:38:28: Pixel rejection in channel #2: 0.012% - 2.500%
08:38:28: Rejection stacking complete. 20 images have been stacked.
08:38:28: Integration of 20 images:
08:38:28: Pixel combination ..... average
08:38:28: Normalization ..... additive + scaling
08:38:28: Pixel rejection ..... Winsorized Sigma Clipping
08:38:28: Rejection parameters ..... low=3.000 high=3.000
08:38:28: Background noise value (channel: #0): 6.078 (9.274e-05)
08:38:28: Background noise value (channel: #1): 5.581 (8.516e-05)
08:38:28: Background noise value (channel: #2): 8.112 (1.238e-04)
08:38:29: Saving FITS: file ../result.fits, 3 layer(s), 4656x3520 pixels
08:38:29: Stacked sequence successfully.
08:38:29: Execution time: 22.14 s.
08:38:29: Running command: cd
08:38:29: Setting CWD (Current Working Directory) to '/Users/JCJ/Desktop/TEST M 13 modif'
08:38:29: Running command: close
08:38:29: Setting CWD (Current Working Directory) to '/Users/JCJ/Desktop/TEST M 13 modif'
08:38:29: Script execution finished successfully.
08:38:29: Total execution time: 1 min 27 s.
08:38:37: Reading FITS: file result.fits, 3 layer(s), 4656x3520 pixels
08:39:31: Reading FITS: file result.fits, 3 layer(s), 4656x3520 pixels
08:55:05: Reading FITS: file Preproc OnlyDark09981.fits, 3 layer(s), 4656x3520 pixels
08:55:27: Reading FITS: file result.fits, 3 layer(s), 4656x3520 pixels
09:44:56: Reading FITS: file result.fits, 3 layer(s), 4656x3520 pixels
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Command line Type "help" for the list of supported commands Stop

Rejection stacking complete. 31% fwhm: N/A Image:result.fits