

FITS Header

FITS Header of Image 637192209876772413.fits

Key	Value	Comment
SIMPLE	T	
BITPIX	16	8 unsigned int, 16 & 32 int, -32 & -64 real
NAXIS	2	number of axes
NAXIS1	3358	fastest changing axis
NAXIS2	2536	next to fastest changing axis
BSCALE	1.0000000000000000	physical = BZERO + BSCALE*array_value
BZERO	32768.000000000000	physical = BZERO + BSCALE*array_value
DATE-OBS	2020-03-06T21:28:37	[ISO 8601] UTC date/time of exposure start
EXPTIME	3.000000000000E+002	[sec] Duration of exposure
EXPOSURE	3.000000000000E+002	[sec] Duration of exposure
SET-TEMP	-10.000000000000000	CCD temperature setpoint in C
CCD-TEMP	-9.9511795043945313	CCD temperature at start of exposure in C
XPIXSZ	5.4000000000000004	Pixel Width in microns (after binning)
YPIXSZ	5.4000000000000004	Pixel Height in microns (after binning)
XBINNING	1	Binning level along the X-axis
YBINNING	1	Binning level along the Y-axis
XORGSUBF	0	Subframe X position in binned pixels
YORGSUBF	0	Subframe Y position in binned pixels
FILTER	V	Filter name
IMAGETYP	Light Frame	Type of image
FOCALLEN	650.00000000000000	Focal length of telescope in mm
APTDIA	130.00000000000000	Aperture diameter of telescope in mm
APTAREA	13273.229330778122	Aperture area of telescope in mm^2
EGAIN	0.40000000596046448	Electronic gain in e-/ADU
SBSTDVER	SBFITSEXT Version 1.0	Version of SBFITSEXT standard in effect
SWCREATE	MaxIm DL Version 6.20 200902 0KUWR	Name of software
SWSERIAL	0KUWR-JFTMR-WR8NH-8H9AM-VY04A-H6	Software serial number
FOCUSPOS	42914	Focuser position in steps
FOCUSTEM	6.4000000000000004	Focuser temperature in deg C
OBJECT	vari	Target object name
OBJCTRA	05 11 41.00	[hms J2000] Target right ascension
OBJCTDEC	+54 18 39.0	[dms +N J2000] Target declination
OBJCTALT	48.9018	Nominal altitude of center of image
OBJCTAZ	312.0948	Nominal azimuth of center of image
OBJCTHA	3.7854	Nominal hour angle of center of image
SITELAT	38 13 11	Latitude of the imaging location
SITELONG	06 37 54	Longitude of the imaging location
JD	2458915.3948726850	Julian Date at start of exposure
JD-HELIO	2458915.3970610173	Heliocentric Julian Date at exposure midpoint
AIRMASS	1.31103570495E+000	Airmass (multiple of zenithal airmass)
TELESCOP	SDSTGH	Telescope name
INSTRUME	Moravian Instruments, G2-8300	Detector instrument name

OBSERVER		Observer name
NOTES		
FLIPSTAT		
SWOWNER	Johan Warell	Licensed owner of software
USERNAME	HGUA	
LMAXADU	55000.000	
HISTORY	File was processed by PinPoint 6.1.3 at 2020-03-07T23:36:26	
DATE	06	03/20' / [old format] UTC date of exposure start
TIME-OBS	21:28:37	[old format] UTC time of exposure start
UT	21:28:37	[old format] UTC time of exposure start
TIMESYS	UTC	Default time system
RADECSYS	FK5	Equatorial coordinate system
RA	05 11 41.00	[hms J2000] Target right ascension
DEC	+54 18 39.0	[dms +N J2000] Target declination
HISTORY	File was processed by PinPoint 6.1.3 at 2020-03-07T23:36:33	
FWHM	1.79272400141E+000	[pixels] Mean Full-Width-Half-Max of image star
ZMAG	1.97695921433E+001	Mag zero point for 1 sec exposure
EQUINOX	2000.0	Equatorial coordinates are J2000
EPOCH	2000.0	(incorrect but needed by old programs)
PA	8.82184811081E+001	[deg, 0-360 CCW] Position angle of plate
CTYPE1	RA---TAN	X-axis coordinate type
CRVAL1	7.79241723701E+001	X-axis coordinate value
CRPIX1	1.67900000000E+003	X-axis reference pixel
CDEL1	-4.78775953047E-004	[deg/pixel] X-axis plate scale
CROTA1	-8.82184811081E+001	[deg] Roll angle wrt X-axis
CTYPE2	DEC--TAN	Y-axis coordinate type
CRVAL2	5.42999543819E+001	Y-axis coordinate value
CRPIX2	1.26800000000E+003	Y-axis reference pixel
CDEL2	-4.78816648625E-004	[deg/pixel] Y-Axis Plate scale
CROTA2	-8.82184811081E+001	[deg] Roll angle wrt Y-axis
CD1_1	-1.48843593916E-005	Change in RA---TAN along X-Axis
CD1_2	-4.78585207860E-004	Change in RA---TAN along Y-Axis
CD2_1	4.78544531952E-004	Change in DEC--TAN along X-Axis
CD2_2	-1.48856245504E-005	Change in DEC--TAN along Y-Axis
TR1_0	1.67900003419E+003	[private] X-axis distortion coefficients
TR1_1	3.3579999877E+003	
TR1_2	8.66803167845E-002	
TR1_3	-5.28309739984E-001	
TR1_4	7.11376431648E-001	
TR1_5	-3.08474840269E-001	
TR1_6	-2.83853357390E+001	
TR1_7	-1.45845696676E-001	
TR1_8	-1.69446955795E+001	
TR1_9	-7.78911128395E-002	
TR1_10	-7.91145993066E-001	
TR1_11	5.66897080877E-002	
TR1_12	9.13483713860E-001	
TR1_13	-3.28964957990E-001	
TR1_14	5.17013679200E-001	
TR2_0	1.26800000049E+003	[private] Y-axis distortion coefficients
TR2_1	1.43492040556E-003	
TR2_2	2.53600000015E+003	
TR2_3	-1.23030914626E-001	

TR2_4	-6.87691428285E-001	
TR2_5	1.65428081693E-001	
TR2_6	-2.31572031697E-001	
TR2_7	-2.17936272420E+001	
TR2_8	-2.83677489293E-001	
TR2_9	-1.21524274977E+001	
TR2_10	1.53269561842E+000	
TR2_11	3.10050631630E-001	
TR2_12	-5.67885735146E-001	
TR2_13	1.64429430913E+000	
TR2_14	2.32925044751E+000	
HISTORY	WCS added by PinPoint 6.1.3 at 2020-03-07T23:36:33	
HISTORY	Matched 686 stars from the USNO UCAC4 Catalog	
HISTORY	Average residual was 0.16 arc-seconds	
PLTSOLVD	T	Plate has been solved by PinPoint

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