

Suitable parameters for M92 data IRAF V

lpar datapars

(scale = 1.)	Image scale in units per pixel
(fwhmpsf = 3.1)	FWHM of the PSF in scale units
(emission = yes)	Features are positive ?
(sigma = 7.3)	Standard deviation of background in counts
(datamin = 5.2)	Minimum good data value
(datamax = INDEF)	Maximum good data value
(noise = "poisson")	Noise model
(ccdread = "")	CCD readout noise image header keyword
(gain = "")	CCD gain image header keyword
(readnoise = 5.)	CCD readout noise in electrons
(epadu = 14.)	Gain in electrons per count
(exposure = "exptime")	Exposure time image header keyword
(airmass = "airmass")	Airmass image header keyword
(filter = "filters")	Filter image header keyword
(obstime = "utmiddle")	Time of observation image header keyword
(itime = 1.)	Exposure time
(xairmass = INDEF)	Airmass
(ifilter = "INDEF")	Filter
(otime = "INDEF")	Time of observation
(mode = "ql")	

lpar findp

(threshold = 4.)	Threshold in sigma for feature detection
(nsigma = 1.5)	Width of convolution kernel in sigma
(ratio = 1.)	Ratio of minor to major axis of Gaussian kernel
(theta = 0.)	Position angle of major axis of Gaussian kernel
(sharplo = 0.2)	Lower bound on sharpness for feature detection
(sharphi = 1.)	Upper bound on sharpness for feature detection
(roundlo = -1.)	Lower bound on roundness for feature detection
(roundhi = 1.)	Upper bound on roundness for feature detection
(mkdetections = no)	Mark detections on the image display ?
(mode = "ql")	

lpar centerp

(algorithm = "centroid")	Centering algorithm
(cbox = 8.)	Centering box width in scale units
(cthreshold = 0.)	Centering threshold in sigma above background
(minsnratio = 1.)	Minimum signal-to-noise ratio for centering alg
(cmaxiter = 10)	Maximum iterations for centering algorithm
(maxshift = 1.)	Maximum center shift in scale units
(clean = no)	Symmetry clean before centering
(rclean = 1.)	Cleaning radius in scale units
(rclip = 2.)	Clipping radius in scale units
(kclean = 3.)	K-sigma rejection criterion in skysigma
(mkcenter = no)	Mark the computed center
(mode = "ql")	

lpar photp

(weighting = "constant") Photometric weighting scheme
(apertures = "3.1") List of aperture radii in scale units
(zmag = 25.) Zero point of magnitude scale
(mkapert = no) Draw apertures on the display
(mode = "ql")

lpar fitskyp

(salgorithm = "mode") Sky fitting algorithm
(annulus = 7.) Inner radius of sky annulus in scale units
(dannulus = 10.) Width of sky annulus in scale units
(skyvalue = 0.) User sky value
(smaxiter = 10) Maximum number of sky fitting iterations
(sloclip = 0.) Lower clipping factor in percent
(shiclip = 0.) Upper clipping factor in percent
(snreject = 50) Maximum number of sky fitting rejection iterations
(sloreject = 3.) Lower K-sigma rejection limit in sky sigma
(shireject = 3.) Upper K-sigma rejection limit in sky sigma
(khist = 3.) Half width of histogram in sky sigma
(binsize = 0.1) Binsize of histogram in sky sigma
(smooth = no) Boxcar smooth the histogram
(rgrow = 0.) Region growing radius in scale units
(mksky = no) Mark sky annuli on the display
(mode = "al")

lpar daopars

(function = "auto") Form of analytic component of psf model
(varorder = 0) Order of empirical component of psf model
(nclean = 0) Number of cleaning iterations for computing psf
(saturated = no) Use wings of saturated stars in psf model computation
(matchrad = 3.) Object matching radius in scale units
(psfrad = 7.) Radius of psf model in scale units
(fitrad = 3.1) Fitting radius in scale units
(recenter = yes) Recenter stars during fit ?
(fitsky = no) Recompute group sky value during fit ?
(groupsky = yes) Use group rather than individual sky values ?
(sannulus = 0.) Inner radius of sky fitting annulus in scale units
(wsannulus = 11.) Width of sky fitting annulus in scale units
(flaterr = 0.75) Flat field error in percent
(proferr = 5.) Profile error in percent
(maxiter = 50) Maximum number of fitting iterations
(clipexp = 6) Bad data clipping exponent
(cliprange = 2.5) Bad data clipping range in sigma
(mergerad = INDEF) Critical object merging radius in scale units
(critsnratio = 1.) Critical S/N ratio for group membership
(maxnstar = 10000) Maximum number of stars to fit
(maxgroup = 60) Maximum number of stars to fit per group
(mode = "ql")