The next few pages show par files for things that should be set before you run ICE. These are the par files. You may click on any of these par files and the document will jump to the page with those parameters.

obspars (update user, objecttitle, rootname, sequence, exposuretime),
detpars,
instrpars,
telpars,
empars (turn on or off the use of the exposure meter and whether or not to dump the exposure meter counts).

ic> **lpar obspars**

exposuretime = 90.	Exposure time (seconds)
imagetype = "object"	Image type
objecttitle = "HR8634"	Object title
nfexpo = 7	Number of focus exposures
shtype = "detector"	Shift type
focmode = "manual"	Focus mode
fstart =	Starting focus value
fdelta = ""	Focus increment
nrvrows = 25	Number of rows to reverse shift
(rootname = "ABCD")	Image root name
(sequence = 7980)	Sequence number
(setfilters = no)	Query and set filters?
(setfocus = no)	Query and set focus?
(setscanrows = no)	Query and set nscanrows? (short scan mode)
(filtype = "telescope")	Type of filters to use
(foctype = "telescope")	Type of focus to use
(pixtype = "l")	Data type of IRAF pixels
(observers = "experienced")	Observers
(comments = "")	Comments
(comfile = "")	Observer header comments file
(obsinfo = "")	Optional observing information for image header
(observatory = "MCDONALD")	Observatory name
(command = "ts2process %s")	Postprocessing command
(verbose = yes)	Type out image name?
(z1 = 0)	minimum pixel value to be displayed
(z2 = 0)	maximum pixel value to be displayed
(f1 = 1.)	modify found minpix by this value
(f2 = 1.)	modify found maxpix by this value
(debug = no)	
(mode = "ql")	

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ic> **lpar detpars**

(firstcol = 1)	First column of data (device coordinates)
(lastcol = 2048)	Last column of data (device coordinates)
(firstrow = 1)	First row of data (device coordinates)
(lastrow = 2048)	Last row of data (device coordinates)
(colbin = "1")	Column binning factor (1,2)
(rowbin = 1)	Row binning factor (1,2,...,16)
(amplifier = "3")	Detector amplifier(s) to use
(gain = 1)	ASP gain setting (1=1x, 2=2x)
(integrator = 2)	ASP integrator (1=slow, 2=medium, 3=fast)
(detpix = "l")	Data type of detector pix (u=16-bit l=18-bit)
(iflushperiod = 100)	Period between flushes when idle (-1 to 15000 s
(preflush = yes)	Flush the CCD before all integration types
(dumpdrain = no)	Use the dump drain for flushing if CCD has one
(srdrain = no)	Use serial register as a drain during flushing
(detname = "TK3")	Detector name
(detcap = "runlib$detcap")	Detector capabilities file
(detinfo = "")	Optional image header info about detector
(angle = 0.)	Detector angle relative to nominal mount angle
(debug = no)	Debug the detector interface
(bypass = no)	Place the detector interface into bypass mode
(mode = "ql")	

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ic> **lpar instrpars**

(instrfilters = "")	Filter selection
(fts = "")	Filter name translation
(instrfocus = "")	Instrument focus
(filtoffs = "")	Filter focus offset values
(slitunitoffs = "")	Slit unit focus offset values
(probepos = "")	Probe position value or file
(aperture = "")	Aperture & slit selection
(decker = "")	Decker selection
(disperser = "")	Disperser control
(tiltpos = "")	Tilt position
(order = "")	Spectral order (0=most efficient)
(dispaxis = "")	Dispersion axis
(gts = "")	Grism name translation
(polarizer = "")	Polarizer angle in degrees
(calibration = "")	Calibration control
(gascell = "")	Gas cell control
(covers = "")	Cover control
(posangle = "")	Position angle
(irocommand = "")	Instrument readout command
(instrpower = "")	Instrument power control
(instrinfo = "")	Optional image header info about instrument
(instrname = "ts23-e2")	Instrument name
(host = "atlas.as.utexas.edu")	Instrument server host
(instrcap = "runlib$instrcap")	Instrument capabilities file
(debug = no)	Debug the instrument interface
(bypass = no)	Place the instrument interface into bypass mode
(mode = "ql")	

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ic> **lpar telpars**

(dateobs = "")	date (dd/mm/yy) of observation
(ut = "")	universal time (hh:mm:ss)
(st = "")	sidereal time (hh:mm:ss)
(ra = "")	right ascension (hh:mm:ss)
(dec = "")	declination (dd:mm:ss)
(epoch = "")	epoch of ra and dec
(ha = "")	hour angle (hh:mm:ss)
(zd = "")	zenith distance (dd:mm:ss)
(airmass = "")	airmass
(telfocus = "")	telescope focus
(telfilters = "")	filter bolt positions
(rotangle = "")	rotation angle
(pressure = "")	barometer
(teltemp = "")	telescope temperature
(windspeed = "")	wind speed
(winddirectio = "")	wind direction
(humidity = "")	humidity
(seeing = "")	seeing
(pointsrc = "")	point source info
(pointdir = "")	optional point source directory info
(pointtype = "mean")	point type header info
(aperture = 0.)	telescope aperture size (m)
(focalratio = 0.)	telescope focal ratio
(tcscmd = "")	TCS motion command
(telinfo = "")	Optional image header info about telescope
(telcap = "runlib$telcap")	Telescope capabilities file
(telname = "hjst")	Telescope name
(debug = no)	Debug the telescope interface
(bypass = no)	Place the telescope interface into bypass mode
(mode = "ql")	

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ic> **lpar empars**

(emenable = no)	Enable use of the EMeter
(emtotcnt = 25000)	Total EMeter exposure count
(embintim = 1.)	Binning time for EMeter measurements
(emfilter = "")	Exposure meter filter
(emdump = yes)	Save the EMeter info to image extension
(emclose = yes)	Close the EMeter interface after readout
(eminfo = "")	Optional EMeter information for image headers
(emdark = no)	Measure exposure meter dark rate
(emdarktime = 60)	Integration time for dark rate measurement
(emdarkdefaul = 8)	Default dark rate if none calculated
(emhost = "localhost")	Exposure meter host
(emdebug = no)	Debug the EMeter interface
(mode = "ql")	

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