## **TIRCAM2 OPERATIONAL MANUAL**

- Startup the telescope as per procedure.
- ➢ Home all 6 axis (main axis and guider axis).
  - Select side part -1 in telescope.
  - Select pointing model **TANSPECIAN12** and also check it in data panel (pointing model) that it is loaded or not.
  - Set offset 45 arcsec in RA and 125 arcsec in DEC.
  - Set focus at 18500. You may change this value as per image quality or if needed.
  - Open remote desktop in Tircam2 laptop.
  - Feed TIRCAM pc ip <u>192.168.0.3</u> click connect.
  - Username <u>tircam</u> password <u>tircam</u>
  - > Open Lakeshore software. Make sure temp is **35k** don't turn on camera if temperature is above **50k**.



> Double click on filter calibration icon.



Select port-14, then click on intserial, then calibrate. Then quit.





click on setup of voodoo then click load button, go to D drive, select Global reset file in <u>14feb2011IGO</u> folder and click on Apply.

Scontroller Setup		🗙 🐙 Open
Close Master Board	Setup Options	Look In: 14FEB2011_IGO
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lmage Dimensions:		Close Master Board Setup Options
Load Controller Paral	Load Save	PCI Download: PCI Download: Reset Controller Hardware Test Timing Board: File Application Filename: Application: Utility Board: File Application Filename: Application: Power On Power On Power On Power On Power On Mage Dimensions: Cols: 512 Load Controller Parameters Apply Clear Load Save

- > Tick the filter control check box in voodoo screen.
- Click on **the prev / next** button.
- Popup will open then click **ok**.
- New filter screen open.
- Check on enable filter button
- Click on desired filter by click on that filter icon
- Wait until red square not come above you desired filter
- > Then click on quit
- But in VODOO screen the filter position will not change(software issue)
- So Click once again on next button on filter
- Once again new filter screen will open wait for the update of filter to your desired filter in VODOO software(it is shown in VODOO message box) once it will update
- Quit new filter screen
- Current filter show.

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		Setup loaded.	
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Timing file OK.		Loading Timing filedone.	
Doing power ondone.		Timing file OK.	
Setting image dimensionsdone.		Doing power ondone.	
Checking controller configurationdone.		Setting image dimensionsdone.	
		Inchecking controller configurationdone.	



- set the folder path in voodoo screen
- click the winnc icon in the taskbar
- click continue trial-select 'E drive' select dot\_2020 folder-create current date folder-click open
- > Copy path of that folder by clicking on red bar(at the top) where path of the current folder is showing

Winnc

- > Paste that path in VODOO software where we have to give a path
- Set fits file name in voodoo screen- filename \_filter name \_number of exposer.fits.
- ➤ Check(✓) multiple exp
- Check auto increment

After giving the exposure time, click on the expose button.

Shareware Alert				Yoodoo	
		1	a start	Program Debug Setup Parameters Subarray FITS Exit	
				Exposure Options	nera
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