



Some additions for the Ultracam manual

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Cc: Ryan Brothwell <rbrothwell01@qub.ac.uk>

Dear Vik,

Greetings from Belfast!

Here's a few things Ryan and I found missing from the ULTRACAM manual, that would be useful if included.

It's mostly for initial setup and taking biases.

Regards,
Colin

- Check previous nights data is backed up to "data1" and "data2" directories
- in /data directory, remove previous runs with command "rm -rf run*.*" and "rm MD5**"
- In first desktop - open "rack" shortcut on desktop
 - "start_ucam"
 - close log dialogue
- In GUI
 - Click Initialise
 - Make sure file save starts at run001
- If you need to close - Close GUI first
 - ctrl+c in filesave window
 - ctrl+c in camera window
- In third desktop
 - open "rack" shortcut on desktop
 - go into directory "Autologger"
 - create a new log file with command "emacs 2013_07_21_log.dat &"
 - run auto logger with "./Autologger", chose options below
 - "/data"
 - "2013_07_21_log" (don't include .dat, change to whatever date)
 - "6000"
 - "yes"
- To take Bias frames
 - move focal plane mask to -50px
 - move Agcomp in
- In GUI on first desktop
 - load previous application or start from scratch
 - depending on windowing or not, set window size, or use "full frame". Use "clear" option
 - 0 second exposure
 - take around 51 slow frames
 - click "post application"
 - click "run"
 - take other biases as required in the same manner
- In second desktop
 - open "rack" shortcut on desktop
 - type "Fileserver" (can then minimise this window)
 - open "ultracam" shortcut on desktop
 - type "ultracam9.10"
 - type "rtplot" (to view frames)
 - load "run002" (first frames taken since run001 is for power up)
 - Check levels of bias frames (should be between 1000-2000)
 - On initial run may get low bias problem on red, so may need to take bias

frames again

- To keep good bias frames
 - change directory to `"/reduce/qc/"`
 - type `"grab"`
 - select run to import e.g. `"run003"`
 - type `"3"`
 - type `"10"` (only grab a few frames to check quality)
- To run quality control
 - in directory `"/reduce/qc/"`
 - run `"python /home/observer/qc/qc.py"`
 - `"/xs"`
 - input the frame you want in the form `"run003_015"` (don't include `.ucm`)