

NGUI - Phil Daly (pnd@noao.edu)

=====

0. Pre-requisites: Linux or Mac OS X, tcl/tk

1. Unpack the tar-ball to a suitable place (e.g. \$HOME):

```
% mkdir $HOME/ngui $HOME/exec
% cp 20111115.tgz $HOME/ngui/
% cd $HOME/ngui
% gzip -cd 20140213.tgz | tar xvf -
```

2. Edit line 15 of etc/ngui.cshrc file to make NGUI_HOME reflect your location. Make sure you have read+write access the \$NGUI_HOME/src/ngui.

3. Source the file and build:

```
% source $HOME/ngui/etc/ngui.cshrc
% rehash
% cd $NGUI_HOME
% make everything
```

4. Remove any current tclIndex file:

```
% rm $NGUI_HOME/src/ngui/tclIndex
```

5. Try the package:

```
% rehash
% ngui &
```

If you wish to run the software for the WIYN 0.9m, execute:

```
% setenv NGUI_TELESCOPE kpno_36
% ngui &
```

Put the following line(s) in your ~/.cshrc:

```
source $HOME/ngui/etc/ngui.cshrc
rehash
```

Your scripts will appear in \$NGUI_EXEC = \$HOME/exec. If you wish your script to appear elsewhere (for example, /tmp) replace step 5 with:

```
% setenv NGUI_EXEC /tmp
% rehash
% ngui &
```

NB: The default filters file is for exampl/experiment only and may not reflect the filters in use for your observing run. You may edit the file \$NGUI_CFG/mosaic_filters.conf as you see fit but you must preserve the format!

History:

```
v20140213 - (pnd@noao.edu)
           - updated to reflect new object sequence and mosdither sequence
v20111115 - (pnd@noao.edu)
```

- updated README to reflect new synchronization between 4m and 36
- no functional changes
- v20101119 - (pnd@noao.edu)
 - updated README to reflect new build instructions
 - Edited Rules.Make to reflect new build instructions
- v20101108 - (pnd@noao.edu)
 - FillGap offsets in arcsec and correct!
 - FOCUS sequence now defaults to negative values
 - FOCUS script tells user end shift when script complete
- v20101102 - (pnd@noao.edu)
 - Added focus mid-point option
 - Removed random pattern from mapping
 - Remove guider wait from mapping
 - Removed settle time from dithers
 - Added prompt for guider re-acquisition in dithers
 - Added default integration times for known dome flat filters
 - Added bell character for sound!
- v20101027 - Various bug fixes for Mosaic 1.1 (pnd@noao.edu)
- v20101019 - Initial release for Mosaic 1.1 (pnd@noao.edu)