

Ureka Setup Instructions

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Abstract

This set of instructions is intended to provide a step-by-step guide to install Ureka on a Linux based system. Ureka is a distribution of astronomy software provided by the Gemini Observatory and the Space Telescope Science Institute. It is strongly encouraged that a recent and full backup of the computer system for which the installation will be conducted on is available and has been inspected.

This check list has been tested on a limited set of operating systems and installations. So far the configurations that have been tested include the following: VirtualBox/openSUSE_13.2. Specific instructions for unique configurations will be provided throughout as applicable.

This check list, and other similar instructions are available for download from the NCAT webpage at mintaka.sdsu.edu/faculty/chorst/NCAT.html.

1 Select The Terminal Shell

Assure the default terminal shell is of the type for which you wish to run Ureka in. As of this writing, Ureka is only supported in bash, csh, and tcsh shell types.

- Determine the current default shell type. `>echo $SHELL`
- If not bash, csh or tcsh it will be necessary to change the shell type for Ureka to load properly.
- If necessary, change the shell type to bash, csh, or tcsh. `>chsh -s /bin/tcsh`
It will be necessary to provide a root password.

2 Download The Ureka Installer

- Make a directory to place the installer. `>mkdir ~/Software`
- Download the installer and place in the directory just created.
Download from ssb.stsci.edu. Download the latest version, however do not download the beta version. Rt-click on “installer” / save link as... / browse to newly created ~/Software directory / Save
This will just take a second to download, this is just the installer.

3 Run The Installer

- Move to Software directory if not already there. `>cd ~/Software`
- Run the installer. `>sh install_ureka_1.5.1 / yes`
This will take a while. Permit to configure login scripts.

4 Restart Or *Source* Terminal

- To source terminal: `>source .tcshrc`

5 Run Ureka

- `>ur_setup`

Note for interpreting this check sheet: **BOLD** text denotes an action or location such as a choose a radio button or look in a window. A forward slash “/” separates choices. Items underlined are to be typed in. Items both underlined and in *italic* are to be typed in, however the actual values will differ.

Please contact Chuck Horst at jhorst@mail.sdsu.edu with any errors, omissions, clarifications, or suggestions.

6 openSUSE 13.2 Unique Configuration Notes

- Obtain additional libraries before running. >sudo zypper install libncurses5.i686 glibc.i686
Or for 32 bit system: >sudo zypper install libncurses5 glibc
- Add bitstat parameter file. >cd /Software/Ureka/variants/common/iraf/ctio
Create bitstat.par. >vi bitstat.par
#Bitstat parameter file
images,s,a,"",,,Input image names
output,s,a,"",,,Output file name