Dear all,

I am happy to announce the 16th official release of GNU Astronomy Utilities (Gnuastro version 0.16).

Gnuastro is an official GNU package, consisting of various command-line programs and library functions for the manipulation and analysis of (astronomical) data. All the programs share the same basic command-line user interface (modeled on GNU Coreutils). For the full list of Gnuastro's library, programs, and a comprehensive general tutorial (recommended place to start using Gnuastro), please see the links below respectively:


For a complete review of the new/changed features in this release, please see [1] below (also available in the 'NEWS' file within the source code tarball).

Here is the compressed source and the GPG detached signature for this release. To uncompress Lzip tarballs, see [2]. To check the validity of the tarballs using the GPG detached signature (*.sig) see [3]:

https://ftp.gnu.org/gnu/gnuastro/gnuastro-0.16.tar.lz (3.7MB)
https://ftp.gnu.org/gnu/gnuastro/gnuastro-0.16.tar.gz (5.9MB)
https://ftp.gnu.org/gnu/gnuastro/gnuastro-0.16.tar.gz.sig (833B)
https://ftp.gnu.org/gnu/gnuastro/gnuastro-0.16.tar.lz.sig (833B)

Here are the SHA1 and SHA256 checksums (other ways to check if the tarball you download is what we distributed). Just note that the SHA256 checksum is base64 encoded, instead of the hexadecimal encoding that most checksum tools default to.

fe1f84bf1be270f1a62091e9a5f89bb94b182154  gnuastro-0.16.tar.lz
B4hftfyuyyc7x316aEJ2SQ1kp6x7z0OrPz/bk2koGuR8  gnuastro-0.16.tar.lz
1ae00673648fe8db5630f1de9d70b49fad242d7d  gnuastro-0.16.tar.gz
kMEDJbsFrRnxDLX4EnxtgXNgikJvV3/2LIEWGLV/e4i0  gnuastro-0.16.tar.gz
B4hftfyuyyc7x316aEJ2SQ1kp6x7z0OrPz/bk2koGuR8  gnuastro-0.16.tar.lz
1ae00673648fe8db5630f1de9d70b49fad242d7d  gnuastro-0.16.tar.gz

For this release, Pedram Ashofteh Ardakani, Natálí D. Anzanello, Sepideh Eskandarlou, Raúl Infante-Sainz, Vladimir Markelov and Zahra Sharbab directly contributed to the source of Gnuastro, I am very grateful to all of them. I should also thank Alejandro Serrano.
Borlaff, Fernando Buitrago, Mark Calabretta, Zohreh Ghaaffari, Giulia Golini, Leslie Hunt, Raúl Infante-Sainz, Matthias Kluge, Juan Miro, Juan Molina Tobar, Markus Schaney, Zahra Sharbaf, Vincenzo Testa, Ignacio Trujillo and Aaron Watkins for their very good suggestions or bug reports that have been implemented in Gnuastro 0.16. If any of Gnuastro's programs or libraries are useful in your work, please cite _and_ acknowledge them. For citation and acknowledgment guidelines, run the relevant programs with a `--cite' option (it can be different for different programs, so run it for all the programs you use). Citations _and_ acknowledgments are vital for the continued work on Gnuastro, so please don't forget to support us by doing so. This tarball was bootstrapped (created) with the tools below. Note that you don't need these to build Gnuastro from the tarball, these are the tools that were used to make the tarball itself. They are only mentioned here to be able to reproduce/recreate this tarball later.

Texinfo 6.8
Autoconf 2.71
Automake 1.16.4
Help2man 1.48.5
ImageMagick 7.1.0-9
Gnulib v0.1-4944-g7fc3219bc
Autoconf archives v2021.02.19-29-g0fbee2a

The dependencies to build Gnuastro from this tarball on your system are described here:


Best wishes,
Mohammad

[2]

GNU

Source URL: http://www.tuxmachines.org/node/158761

Links: