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[Casa-announce] CASA 6.6.3 Release
1 message

Announcements relating to the CASA post-processing software via Casa-announce <casa-announce@listmgr.nrao.edu>   Wed, Jan 31, 2024 at 10:44 AM
Reply-To: casa-feedback@nrao.edu
To: casa-announce@nrao.edu
Cc: Announcements relating to the CASA post-processing software <casa-announce@listmgr.nrao.edu>

Dear Colleagues,

A new CASA 6.6.3 release is now available!

New functionality of CASA 6.6.3 includes:

- Pip wheels for Python 3.10 (Google Colab) are now available and compatible with matplotlib.
- getephemtable: new task to retrieve JPL-Horizons ephemeris data.
- getcalmodvla: new task to to retrieve flux calibrator brightness distributions and create component lists.
- gencal: new parameter ant_pos_time to limit period for which antenna position corrections are included.
- tclean: algorithmic improvements to the ASP deconvolver for large spread of spatial scales.
- tclean/sdintimaging: now checks for mismatches in column states when given multiple input MSs.
- tclean/sdintimaging: now sorts input list of MSs in chronological order.
- tec_maps: now consistent with new file-naming convention on remote CDDIS server.
- simulator: simutil now performs case sensitive comparisons for 'known observatories'.
- plotms: correlation selection now supports standard Stokes parameters and polarization quantities.
In addition, a number of bugs were fixed

See the full Release Notes for CASA 6.6 on CASA Docs: https://casadocs.readthedocs.io/en/stable/notebooks/introduction.html
Please also review the Known Issues page: https://casadocs.readthedocs.io/en/stable/notebooks/introduction.html#Known-Issues

Download and Installation
CASA 6.6.3 is available either as a downloadable tar-file, or through pip-wheel installation, which gives users flexibility to integrate CASA into their customized Python environment.

CASA 6.6.3 can be downloaded from the CASA website: https://casa.nrao.edu/casa_obtaining.shtml
Instructions on how to install CASA 6.6.3 can be found in CASA Docs: https://casadocs.readthedocs.io/en/stable/notebooks/introduction.html#id1

OS Support
CASA 6.6.3 is expected to work on multiple computer operating systems as well as multiple versions of Python. In addition to the officially supported platforms RedHat 7 and 8, and Mac OS 12, we expect CASA to be compatible also with Mac OS 13 (including ARM) and certain versions of Ubuntu. For full OS compatibility, see CASA Docs: https://casadocs.readthedocs.io/en/stable/notebooks/introduction.html#Compatibility

Feedback

We welcome feedback from users at casa-feedback@nrao.edu

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Regards,
The CASA Team

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