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ASTROPHYSICS

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[Casa-announce] CASA 6.5.5 Release

1 message

Announcements relating to the CASA post-processing software via Casa-announce <casa-announce@listmgr.nrao.edu> Wed, Apr 5, 2023 at 8:28 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 6.5.5 release is now available!

New functionality of CASA 6.5.5 includes:

- fringeft: allows combined solving of correlations via the corrcomb parameter.
- fringeft: new functionality with concatspws or combine='spw'.
- tclean: enabled more stable cube imaging with the awproject gridder
- plotms: exports text data with more sufficient precision.
- setjy: will catch an unreasonable input spectral index value.
- msmetadata tool: includes ALMA-specific methods rxbands() and subwindows().
- applycal: now has per-scan interpolation.

In addition, a number of bugs were fixed, including (but not limited to):

- tclean: numerical fixes with the w-term correction within awproject.
- tclean: not recognizing the observatory name.
- gencal: not always taking antenna position offsets properly into account.
- sdfit/importasap: invalid memory access.
- an MPI issue with Ubuntu.

Casacore was also updated from Aug 2022 - Mar 2023.

See the full Release Notes for CASA 6.5 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 6.5.5 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 6.5.5 can be downloaded from the CASA website: https://casa.nrao.edu/casa_obtaining.shtml
Instructions on how to install CASA 6.5.3 can be found in CASA Docs: <https://casadocs.readthedocs.io/en/stable/notebooks/introduction.html#id1>

OS Support

CASA 6.5.5 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 & 8 and Mac OS 11, we expect CASA to be compatible also with Mac OS 12 (including ARM/M1) 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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Casa-news to receive the CASA Newsletter twice a year: <https://listmgr.nrao.edu/mailman/listinfo/casa-news>

Regards,
The CASA Team

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