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**ASTROPHYSICS**

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## [Casa-announce] CASA 6.5.3 Release

1 message

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**Announcements relating to the CASA post-processing software via Casa-announce** <casa-announce@listmgr.nrao.edu> Thu, Feb 2, 2023 at 9:33 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 6.5.3 release is now available!

New functionality of CASA 6.5.3 includes:

modular CASA: separate python wheels for casafeather, casabrowser and casalogger GUIs.

setjy: updated VLA flux calibrator model images at C, X and Ka bands.

tclean: corrections to the math implemented for the uvtaper weighting scheme.

tclean: increased MPI records, and new parameter 'fullsummary' to avoid issues with large cubes.

tclean/tsdimaging: performance improvement of ~10-16%.

simulator: now works with primary beams and component lists with spectral structure.

gaincal/bandpass: returns a dictionary reporting on results.

A large number of bugs were also fixed in CASA 6.5.3.

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 6.5.3 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 6.5.3 can be downloaded from the CASA website: [https://casa.nrao.edu/casa\\_obtaining.shtml](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 6.5.3 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 & 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](mailto: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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Casa-announce mailing list  
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