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**ASTROPHYSICS**

HARVARD &amp; SMITHSONIAN

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## [Casa-announce] CASA 6.5.2 Release

1 message

**Announcements relating to the CASA post-processing software via Casa-announce** <casa-announce@listmgr.nrao.edu> Mon, Oct 3, 2022 at 8:35 AM

Reply-To: casa-feedback@nrao.edu

To: casa-announce@nrao.edu

Cc: Announcements relating to the CASA post-processing software &lt;casa-announce@listmgr.nrao.edu&gt;, "casa-staff@nrao.edu" &lt;casa-staff@nrao.edu&gt;, almasci@nrao.edu, ALMAJ CASA &lt;almaj\_compc@alma.mtk.nao.ac.jp&gt;, almasci\_chile@alma.cl

Dear Colleagues,

A new CASA 6.5.2 release is now available!

New functionality of CASA 6.5.2 includes:

deconvolve: new task for image-domain deconvolution.

uvcontsub: new implementation, old uvcontsub task deprecated.

fringefit: support added for 'uvrange' parameter.

tclean: new iteration control parameter 'nmajor'.

sdimaging: new parameter 'enablecache' for improved performance.

mstransform: parameter 'douvcontsub' deprecated.

flagdata: mode='shadow' now uses the uvw values from the UVW column.

tclean/tsdimaging: improved runtime performance of ephemeris imaging.

simulator tool: new parameter 'simint' in sm.settrop() to control time granularity, down to 0.1s.

ImageAnalysis tool: new 'mbret' parameter added to 'image.restoringbeam()'.

casalog tool: new method 'getOrigin()' implemented to retrieve origin of messages.

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 6.5.2 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 6.5.2 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 6.5.2 can be found in CASA Docs: <https://casadocs.readthedocs.io/en/stable/notebooks/introduction.html#id1>

## OS Support

CASA 6.5.2 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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Regards,  
The CASA Team

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Casa-announce mailing list

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