CASA 4.7.1 tclean mosaicking bug

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Agency post for CASA 4.7.1

Dear CASA users,

We have found a bug in CASA 4.7.1 concerning the restoration of mosaics in tclean. The primary beam correction was inadvertently applied to the model image, which causes problems during cleaning and causes the output restored image to have the primary beam corrected model added to uncorrected residuals, which is incorrect. This behavior is independent of the value of the pbcor parameter (for mosaics the pbcor=True option is not yet implemented).

We have prepared a fix and will issue a new patched CASA version 4.7.2 in a few days.

The issue seems to only appear in CASA 4.7.1 ; CASA 4.7.0 -1 is not affected.

If you have any additional questions, please consult the NRAO or ALMA helpdesks:

https://help.nrao.edu
https://help.almascience.org/

Regards,

the CASA team