How can I update the data repository copy of my CASA installation?

Dirk Petry - 2022-10-06 - Historical Articles

Messages like

    SEVERE setjy Leap second table TAI.UTC seems out-of-date.
    SEVERE setjy Until table is updated (see aips++ manager) times and coordinates
    SEVERE setjy derived from UTC could be wrong by 1s or more.

indicate that the "geodetic" directory of the data repository copy of your CASA installation needs to be updated.

Up to and including CASA 4.3, it has been possible to update the data repository of a CASA installation (including for example the leap seconds table) by typing at the shell prompt

    svn update

in the "data" directory.

In later casa versions, this scheme does not work. The recommended procedure in later versions **up to CASA 5.x** is to **either** type at the shell prompt

    cd <CASA-distro>/data
    rsync -avz rsync://casa-rsync.nrao.edu/casa-data .

or run the Perl script "update-data." This can be executed from within CASA by typing

    !update-data

**In CASA 6.x, use**

    cd <CASA-distro>
    cd `find lib -name __data__`
    rsync -avz rsync://casa-rsync.nrao.edu/casa-data .

or

    <CASA-distro>/bin/python3 -m casadata --update

or

    !update-data
as for the older versions. NOTE that this last option updates your data repository based on
the CASA 6 data repo package which is only updated on a weekly basis.

More information can be found in CASA
dating-the-Data-Tables}