



[CASA] How do I update geodetic (TAI_UTC) tables?

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The geodetic information used by CASA is updated regularly using the TAI_UTC table in the CASA data repository, which is derived from measurements provided by the Earth Rotation and Reference Systems Service (IERS). A slightly outdated table is not likely to be a problem since most data is averaged over sufficiently long time intervals. However, it could be a problem for VLBI observations.

The update can be run from the CASA command prompt using

```
!update-data
```

or from outside CASA using

```
$ casa-config --exec update-data
```

Attention: In late 2015, the CASA data repository moved to a new server. This resulted in an rsync error when updating the repository in CASA 4.4 or earlier. To fix this problem, a [patch](#) script can be run outside CASA.

```
$ update-data.patch <PATH-T0-CASA-DISTRIBUTION>
```

where <PATH-T0-CASA-DISTRIBUTION> is the path to the top level of the unpacked CASA distribution.

More information is available in the [Fixing out of date TAI UTC tables](#) CASA Guide.