

Recorded to ATNFV016A

maser and Rb tic phases wrt GPS can be seen in the Excel spreadsheets at the following address:  
<http://users.on.net/~cdadsl/CdMaser/>

Unfortunately the maser room temperature was changing during this experiment. An A/C power supply problem was discovered immediately prior to this experiment. It was cooling from 30 - 22 degrees as reported in the email messages at the above address. The temperature instability would have affected the Rb more than the H-maser because the Rb is physically small and has a small thermal time constant compared to to the H-maser.

Also contained in the above folder are 4 files named "maser\_11DOY.log". These files are the temperature recorded in the maser room with UT time stamps. The true temperature is 4 degrees below the recorded temperatures.

Here is some information on the work done on the clock:  
<http://users.on.net/~cdadsl/CdMaser/information.html>

Regards, Brett

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<http://www.atnf.csiro.au/vlbi/dokuwiki/doku.php/lbaops/lbanov2011/vc160cdlog>

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