You may want to reprocess your spectroscopic data. This can be done on the **observer5** computer. The necessary software is installed in /opt/EffelsbergSpecPipeline. There is a bash script to set all the necessary paths. tcsh shell users should change to bash by typing bash. The teleskop, obs2 account are already bash accounts. Launch the following command:

source /opt/EffelsbergSpecPipeline/init_classwriter.sh

Now you should be ready to run the Offline Calibration pipeline. Type

OfflinePipeline

Now you are in an ipython interface to reduce the data. There are the following commands to reduce the data:

setFitsDir('/daten/Raw')

Set the source directory for the rawdata. The program looks in the directory for the raw mbfits files.

setClassName('Filename','Directory')

this sets the output gildas, class file. if only:

setClassName('Filename')

is given, the named file is created in the current dictionary. Without this command a file name e.g. like class_2010_10_20.100m is created in the current directory. To write the files one has to know the scan number and must give the subscan number. Subscan numbers are 1 based. If the subscan is not in the file an error is plotted.

reduceSubscan(scannumber,subscannumber)

If you reduce the same scan twice, it is written twice to the class file with the same scan number. You can investigate the result with using_class_on_observer3_computer_in_effelsberg

fixFFTSRefChannel(shiftFFTSRefChannel=True)

Before February 2011 the reference channel of the FFTS has to be shifted by +0.5 channels if the spectrum was not if flipped, otherwise -0.5 channels.

flipArrayOrientation(reverseArrayOrientation=True)

This function flips the dataArrays for the following reduce operations.