The Auto-Pointing Run

1. Log onto VELA as Director.
2. Set `Min Elevation` to 25° and `Max Elevation` to 83° in the `Sky window` available in $\boxed{\text{Source}}$.
3. Check which pointing sources are available and are not in the sun limit.
4. Select the RX100 and tune it to the SiO maser line.
5. Do a quick pointing and subpointing on one source, to make sure everything is o.k.
6. Open $\boxed{\text{Job}}$ and edit `autopoint.job`, using your favorite editor. This file now should contain all sources to be included in the pointing run. The line above each source indicates the observing mode and the integration time. Edit this file accordingly and then save it again. (Note, editing this file during a pointing run has no effect. You need to abort the pointing run and reschedule it to read in an edited `autopoint.job` file).
7. Choose *CATS*, *MAX* and *Infinite Loop* in $\boxed{\text{Job}}$ (if *SINGLE* is selected then unselect it). Use the *Setup* button behind *MAX* to enter the pointing display. Select *Pointing* with 3 iterations and make sure that *SubPointing, Start with a calibration*, and *Automatically apply results* are off and the *Alert when ready* is on (music after each source indicates, that everything is running well). Click on `Save values` (this will save the values and close the window) and then hit **Accept** in $\boxed{\text{Job}}$ DON'T hit **Accept** in the *Setup* window.
8. Your auto-pointing will now commence.
9. The auto-pointing may be interrupted at any time by breaking the sequence and can then be restarted without any problems. Unsuitable files can be excluded later during the fitting procedure. The $\boxed{\text{Stop}}$ button ends the pointing run immediately, while $\boxed{\text{Break}}$ allows the running process to finish the measurement of the current source.

All of the pointing files will be saved as `fits` files in the `/aux2/home/daprog/director` directory. It is a good idea to check the pointing offsets for some sources every now and then during the run, to make sure everything is OK. Also, please write down the first and last scan number of the auto-pointing run, so that these fits files can be retrieved later for our *SiO pointing* monitoring project.