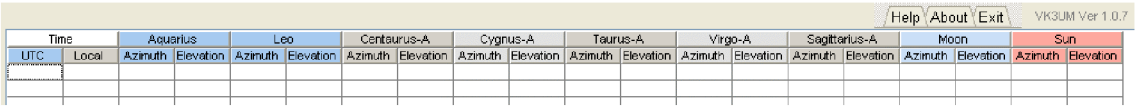
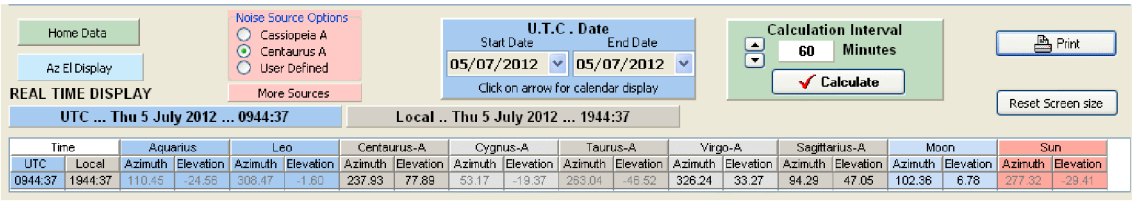
Noise Source Planner

When the program is first run the top of the screen appears as follows.

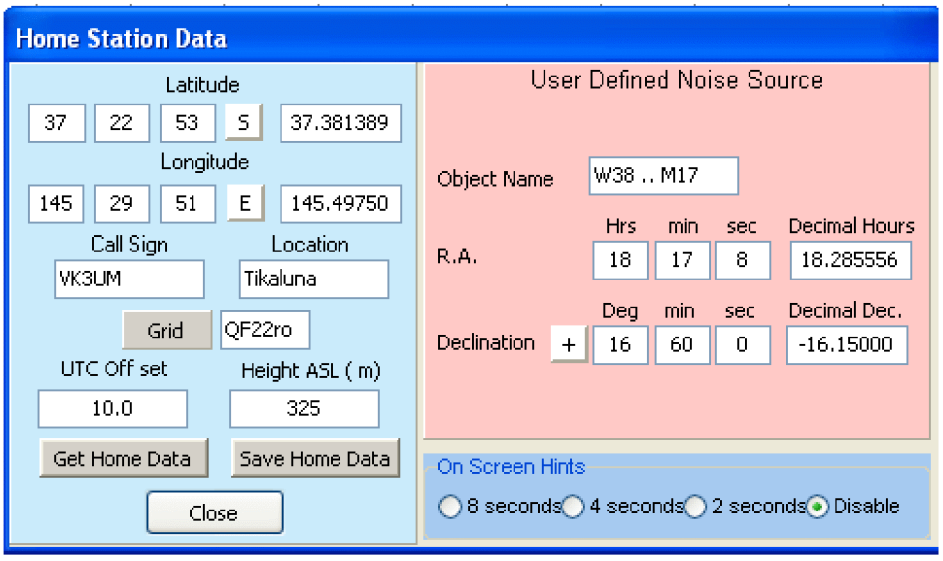


Whilst the bottom appears as this.



The above display provides at the ***current time of your computer***, the position of all the selected sources. Should they be below the horizon at that time they will be showed '*greyed out*'.

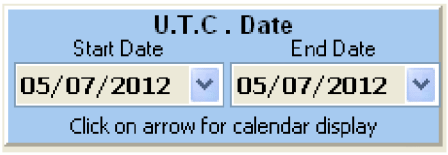
- ## Initial set up
  - Click on the ***Home data*** which will reveal the following panel.



  - You may enter your Home data in 3 ways
    - Over type the grid square with your own grid.
    - Enter each latitude and longitude value and set N/S and E/W
    - Over type you latitude and longitude decimal degree.
  - Enter your Call Sign, Location, UTC off set, and Height above sea level.
  - Choose the onscreen hint message delay.
  - Finally click on Save home Data and all your information will be saved
    Note the ***Calculation Interval*** will be saved as well.

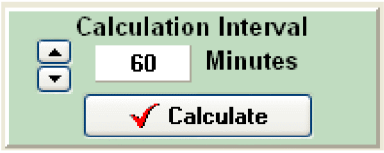
At this stage you do not need to change the ***user defined noise source*** as this is an option which you may utilise to add a noise source other than those provided in the program
The ***Get home data*** button recalls your stored home data should you desire.

- ***Time and Date***



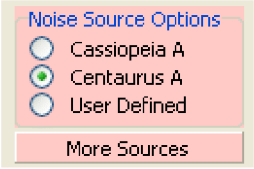
  - On program start the displayed date is the current date.
  - You may use the down arrows to reveal the calendar and set the start and end days of your required calculation period

- **Calculation Interval**



  - With the ***up/down arrows*** chose the calculation period required. The default 60 minute selection will provide a full page display.
  - Note this setting will be stored as you ***default Home data*** if required.
  - Click ***Calculate*** to display all values of sources.

- **Noise Source Options**



  - In the data display the ***first column <u>after</u> the Quiet sources*** (Aquarius and Leo) is used as a ***selectable noise source choice***. You may select Cassiopeia A, Centaurus A or the user defined option as you may program in the Home Data set up option.
  - Additionally you may select from 3 panels of options by clicking on ***More Sources*** and the following panel will be revealed

Any of the above sources may be selected and its calculation will be displayed under its heading in column 3. ***To exit this option click on any yellow Radio Source title panels.***

- ## Az El Display / Polar display

  - Clicking on ***Az El Display*** will change the calculation to a ***Polar Display*** for those that use a Polar mount. The change will show calculations as displayed below.

Taurus-A	
Azimuth	Elevation
13.85	29.39
5.89	30.41
357.80	30.60
349.76	29.96
341.95	28.49

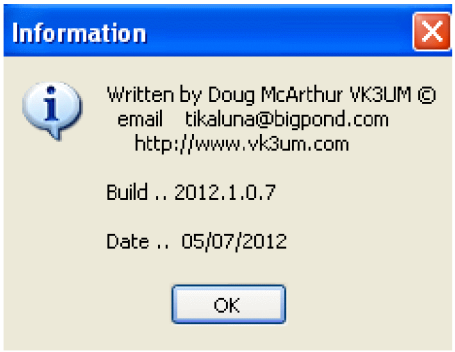
Az El Display

Taurus-A	
GHA	Dec
201.50	21.98
209.02	21.98
216.54	21.98
224.06	21.98
231.58	21.98

Polar Display

- ## Other options

  - **Print.** This option allows for selection and set up of your printer and to print the computed data.
  - **Reset screen size.** You may by clicking the open square icon on the top right of the screen fully display the program as the full capability of your screen resolution. You also may drag and resize the program display as required. The reset screen size may be used if, in the latter case you wish to restore to the normal display size.
  - **Help.** This will display this help file.
  - **About.** This will provide information as to the Author, software build date and version number.



  - **Exit.** Provides '***soft exit***' (confirmation you wish to exit) of the program.