

OSA 323xB Cesium Clock

administration

Rev D

OSA 323xB Cesium Clock



OSA 3230B

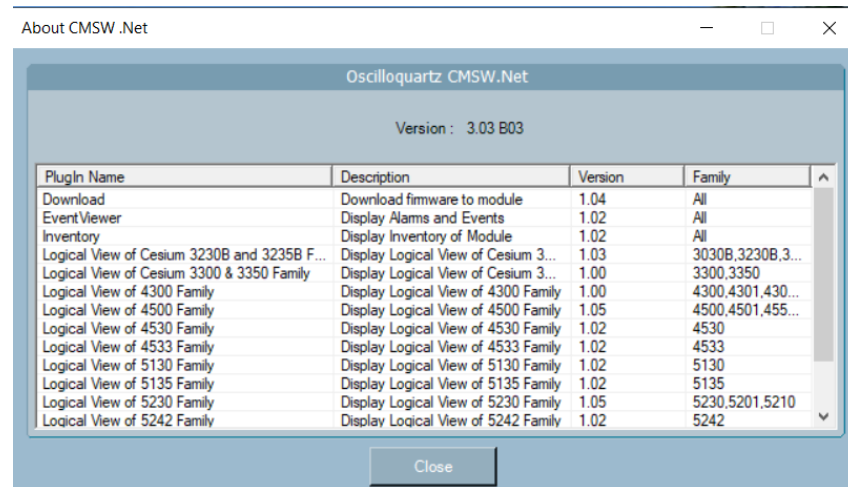
OSA 3235B



OSA 323xB Cesium Clock administration

login to the 323xB 1/3

- in order to manage the OSA 323xB, the software CMSW release 3.03 B03 or higher need to be installed in the PC
- connection is done through RS-232 using rather a RS-232 port or a USB-RS-232 adapter
- it is recommended to use a USB-RS232 adapter with a chipset from FTDI,
for example:
EasySync Ltd ES-U-1001-R10(R100)
USB-RS232 adapter cable

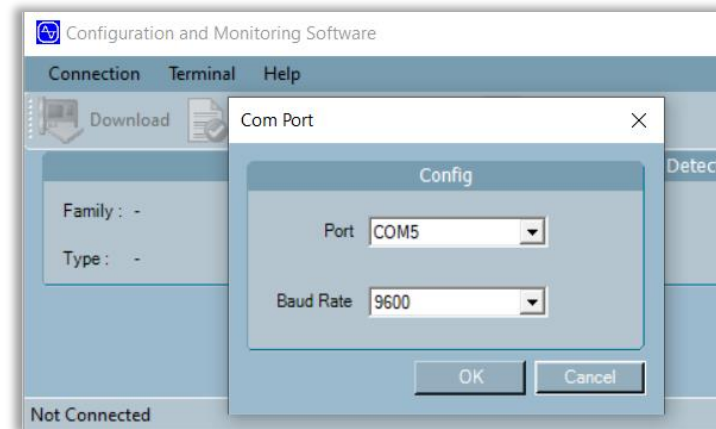
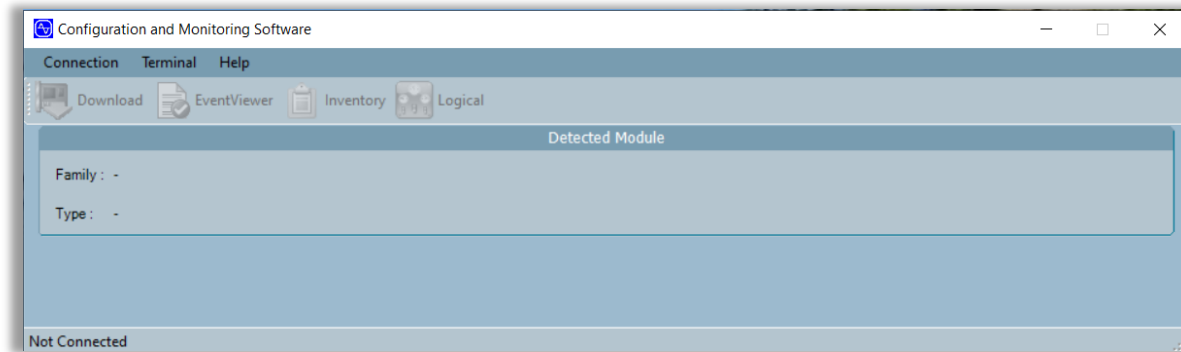


OSA 323xB Cesium Clock

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login to the 323xB 2/3

- open the CMSW software:
- open the “Com Port” window to select the com port used by the PC for the port RS-232 or the RS-232-USB adapter
- this port can be different from one PC to another

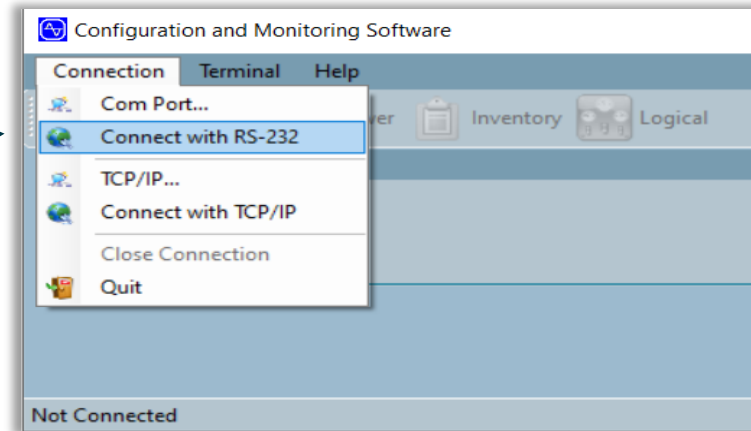


OSA 323xB Cesium Clock

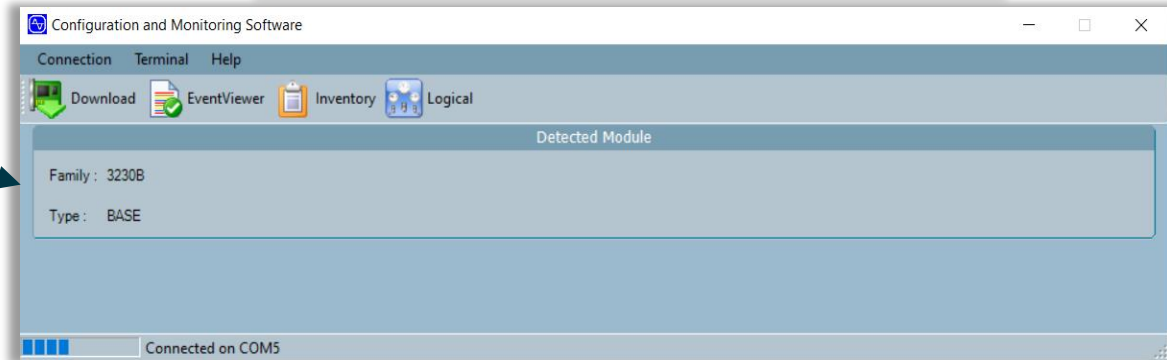
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login to the 323xB 3/3

- click on "Connect with RS-232"



- if the connection is successful, this view is visible



OSA 323xB Cesium Clock

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manage the 323xB 1/3

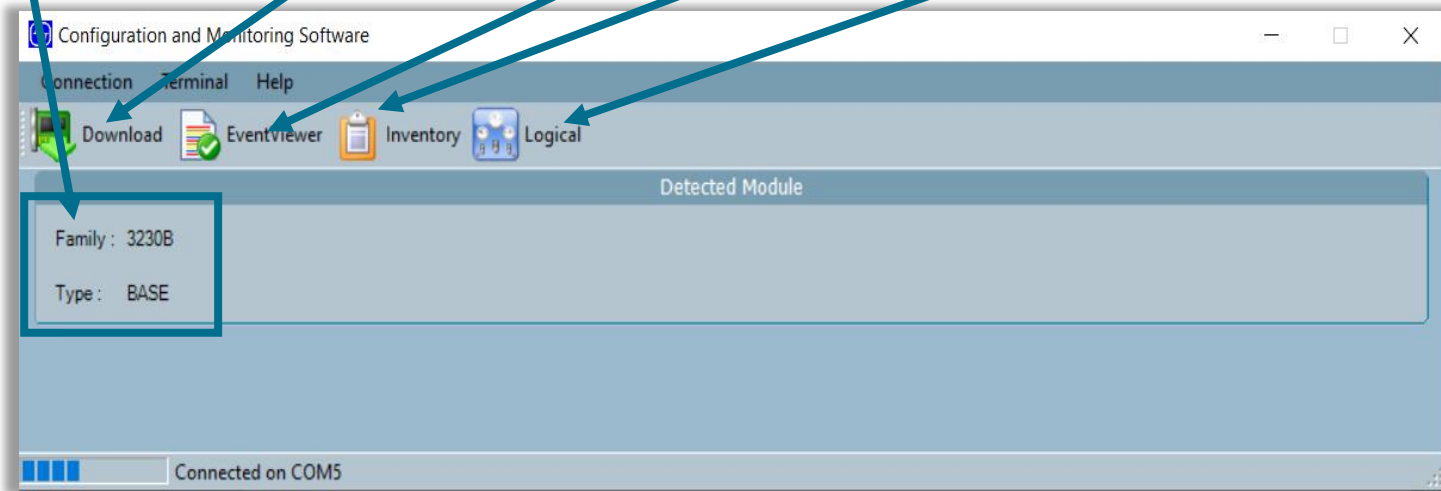
Download - only for factory use!

EventViewer

Inventory

LogicalView

type of unit connected

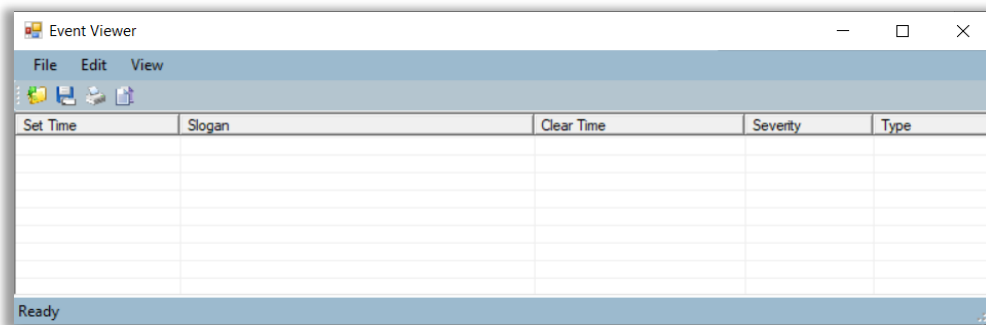


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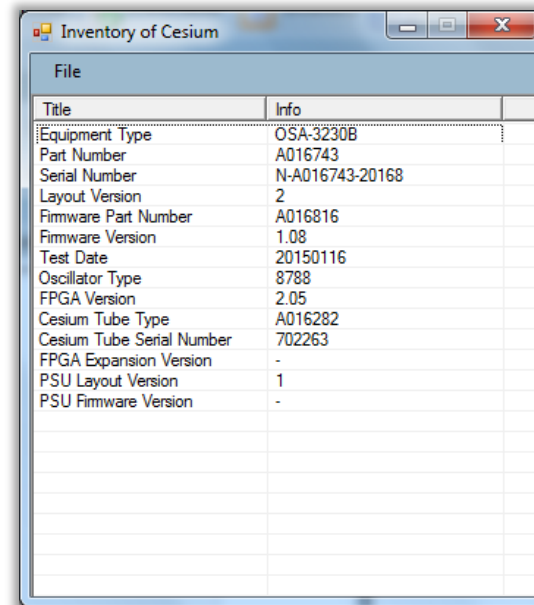
administration

manage the 323xB 2/3

The Event Viewer



The Inventory View



- information in both views can be saved through the “File” menu

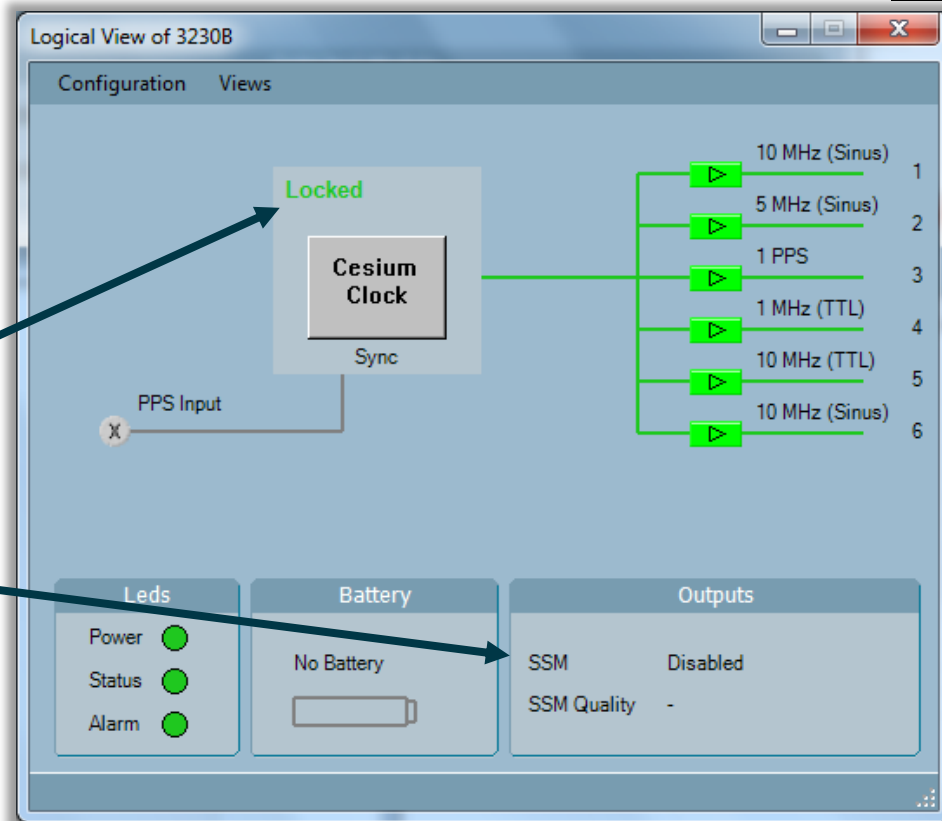
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manage the 323xB 3/3

The Logical View

- normal state of the cesium clock is “Locked”
- SSM information can be enabled only if a telecom expansion card is installed

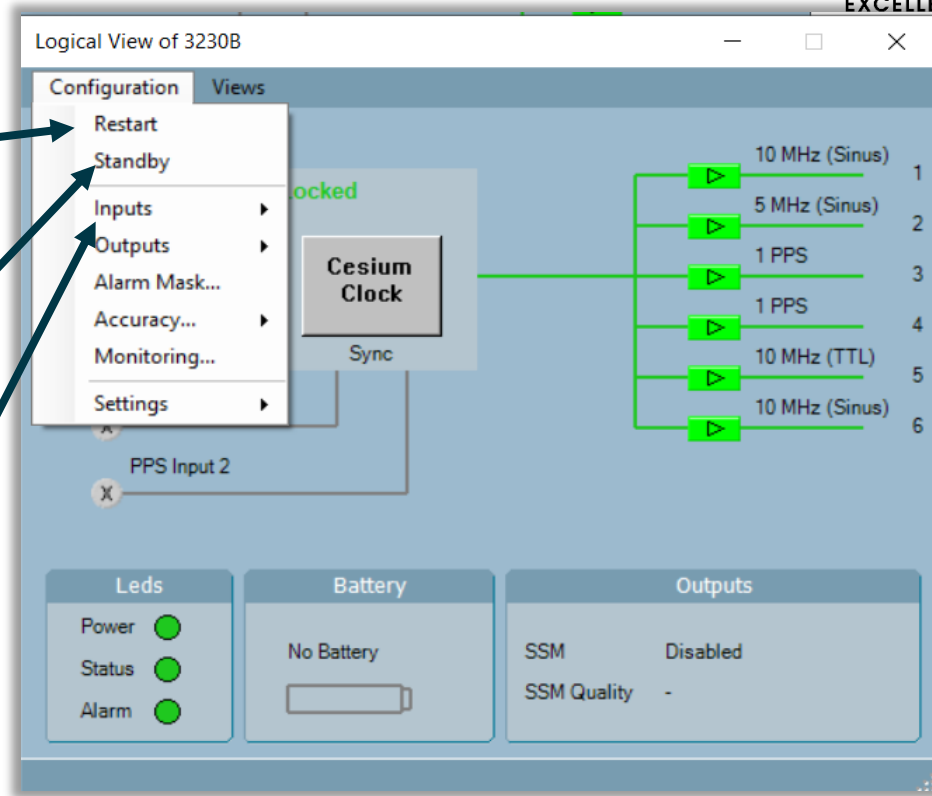


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configure the 323xB 1/2

- restart the Cesium clock
- set Cesium to standby
in this condition the 3230B is powered up, but only the Ion pump is in use
- configure the PPS Input to align the 1PPS output signal to a UTC reference source, usually a GNSS reference.

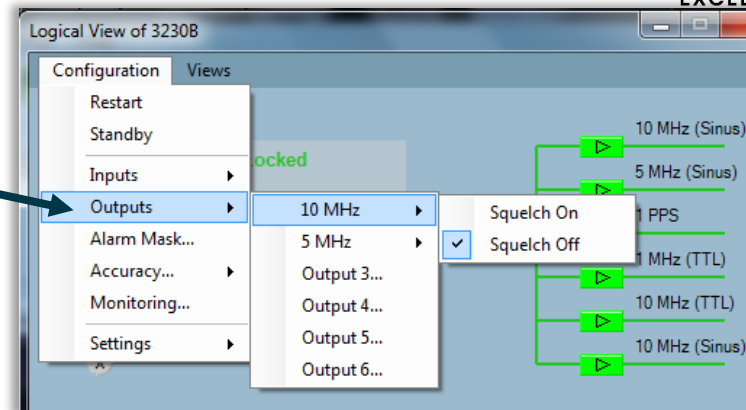
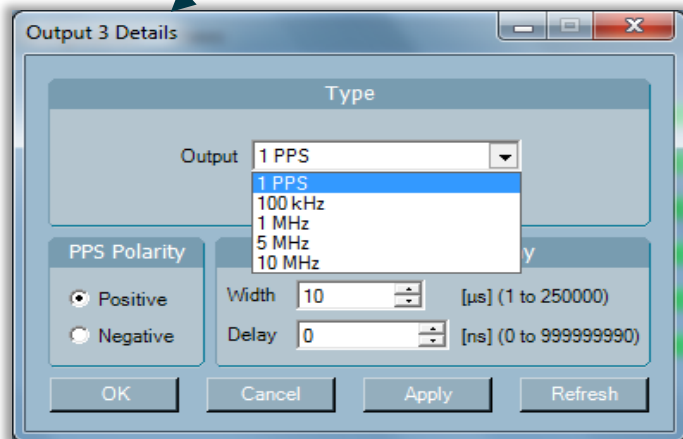


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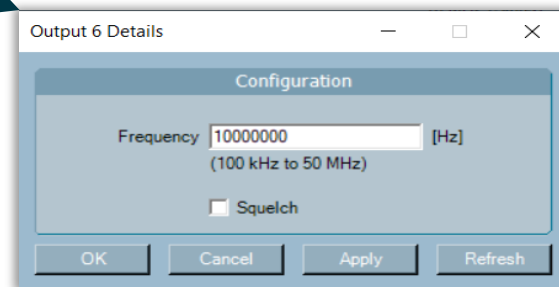
administration

configure the 323xB 2/2

- details of the Outputs 10MHz and 5MHz
- details of the Outputs 3 to 5



- details of the Output 6

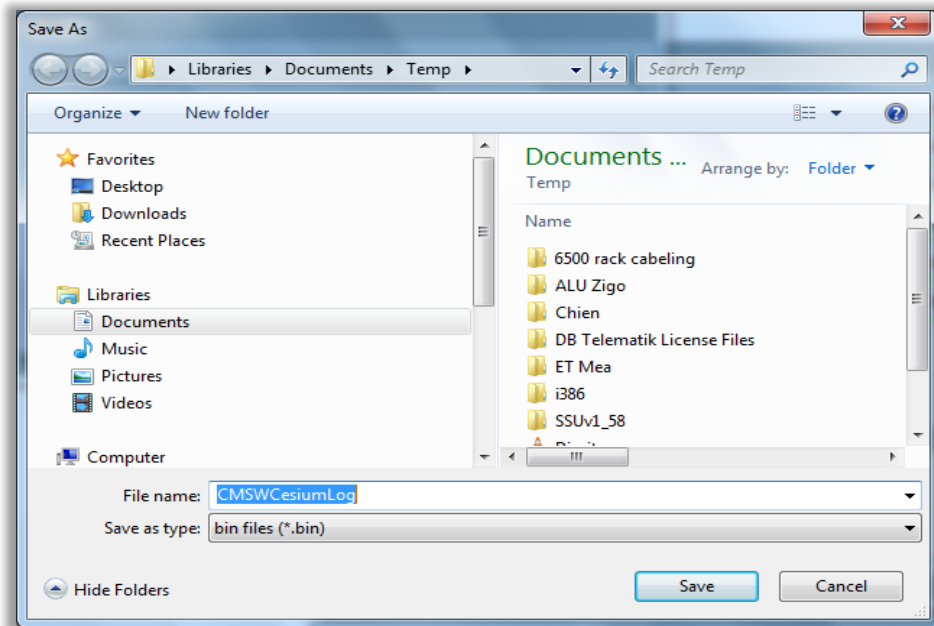
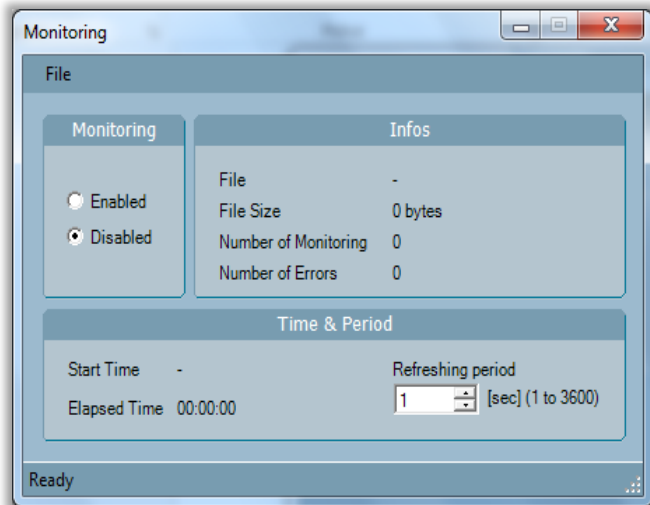


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monitoring 1/2

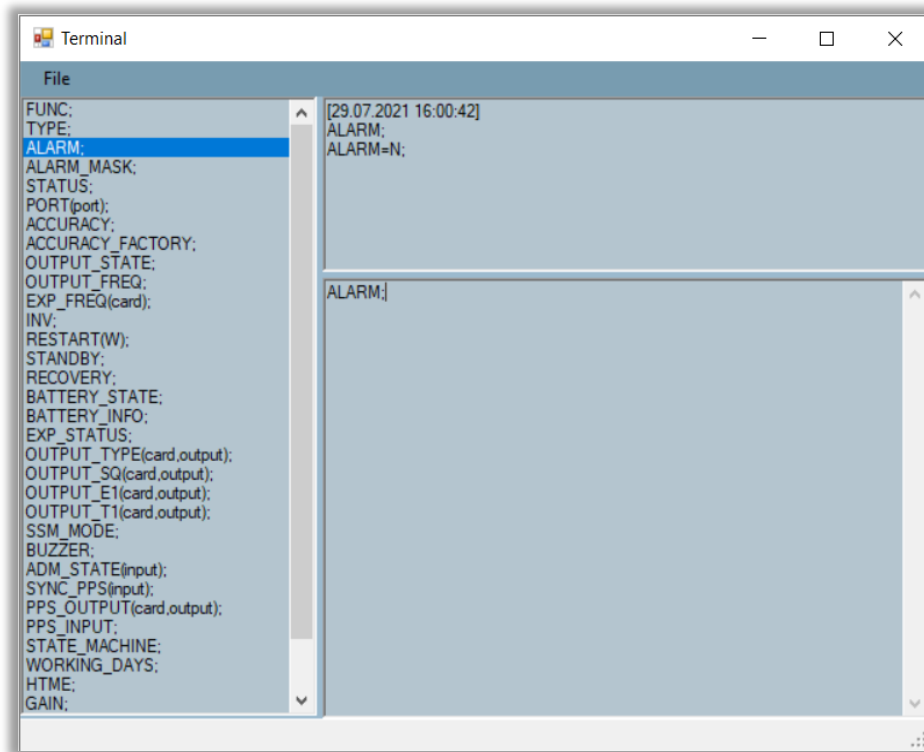
- Monitoring the Cesium Tube
- in case you have any Cesium problems, you will be asked to start monitoring the clock and send the result file to the ADTRAN SUPPORT.



OSA 323xB Cesium Clock

administration monitoring 2/2

- the terminal window allow to send and receive TL1 command to manage and configure the OSA 323xB
- all the TL1 commands available are listed in the left pane. The command can be selected by clicking on it and a return will send it to the unit. The answer from the unit will appear on the right top pane



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