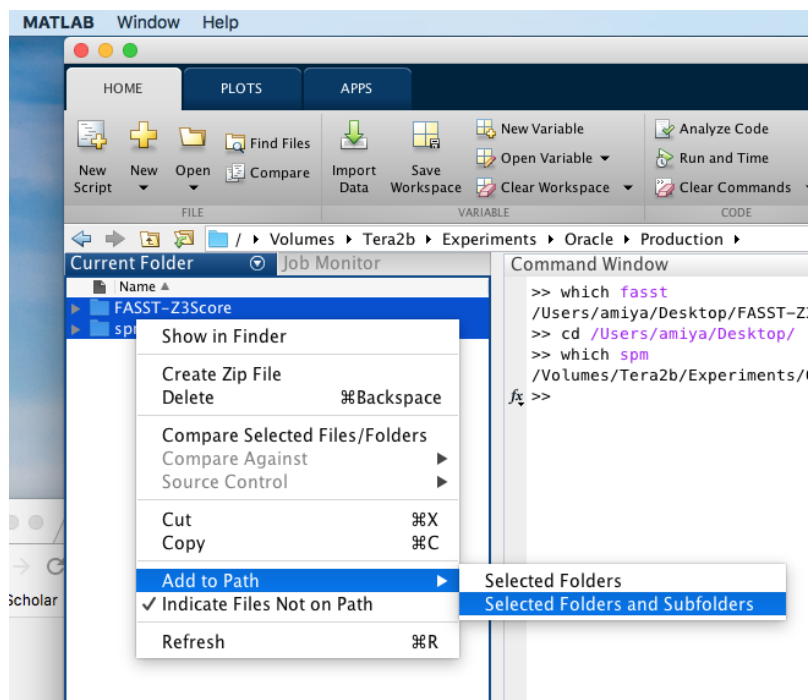


## Getting Started with Z3Score-FASST

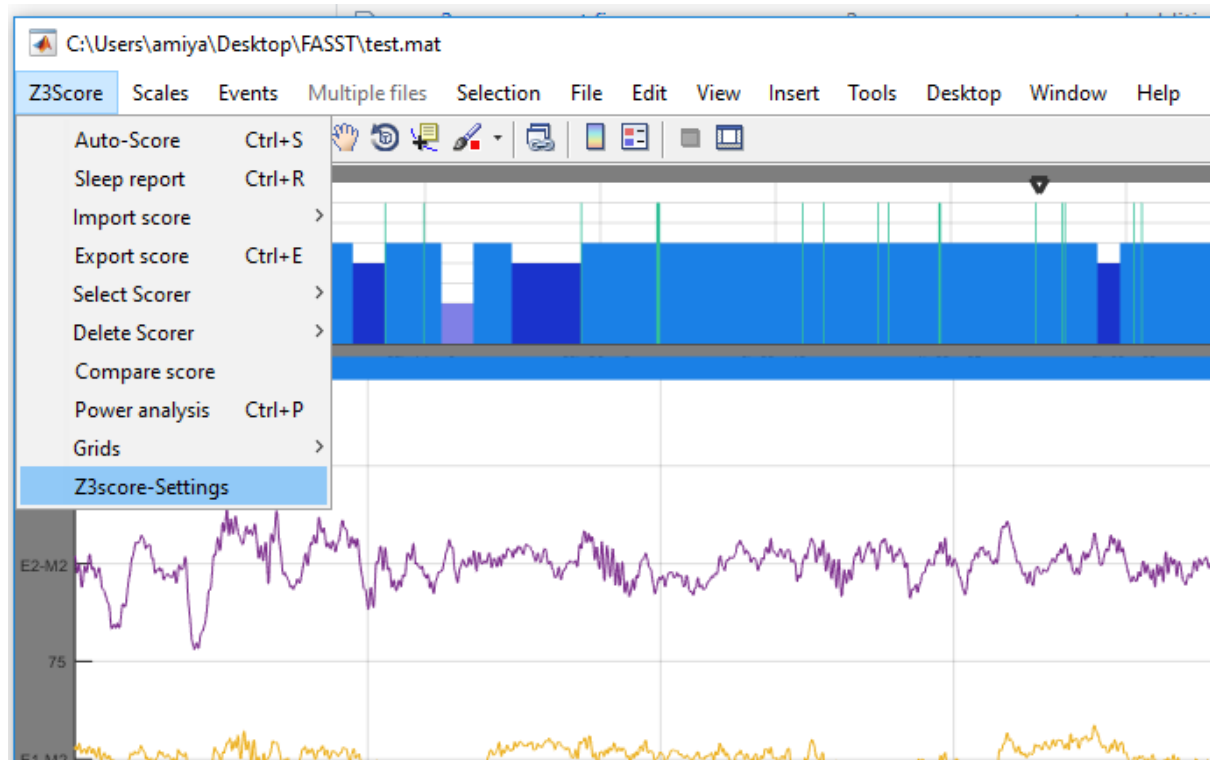
**NOTE:** FASST supports only one sampling rate for all channels. So please ensure that all channels required for scoring are at the highest sampling rate. Otherwise FASST does a nearest neighbor extrapolation which severely degrades scoring accuracy.

- Download Z3SCORE-FASST <https://github.com/neurobittechnologies/FASST-Z3Score>
- Download SPM12 <http://www.fil.ion.ucl.ac.uk/spm/software/download/>
- Add both to Matlab path



- Type `z3score` in the Matlab command window and click score sleep





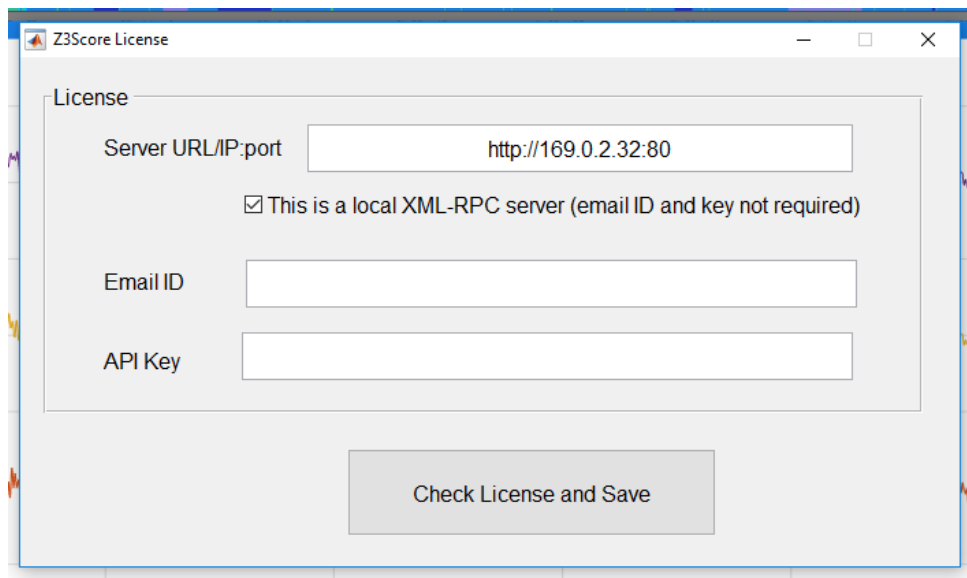
**For Cloud based z3score:**

The screenshot shows the 'Z3Score License' dialog box. It contains the following fields and options:

- License** (Section Header)
- Server URL/IP:port**:
- ☐ This is a local XML-RPC server (email ID and key not required)
- Email ID**:
- API Key**:
- Check License and Save** (Button)

- Server URL should be <http://z3score.com/api/v1>
- Enter your email address and access key. If you do not have a key, you may request one from [contact@neurobit.io](mailto:contact@neurobit.io)
- Once the license key is setup (which needs to be done only once) you can click on Auto Score. You will have to choose the right channels before you click score.

### For Local z3score-server:



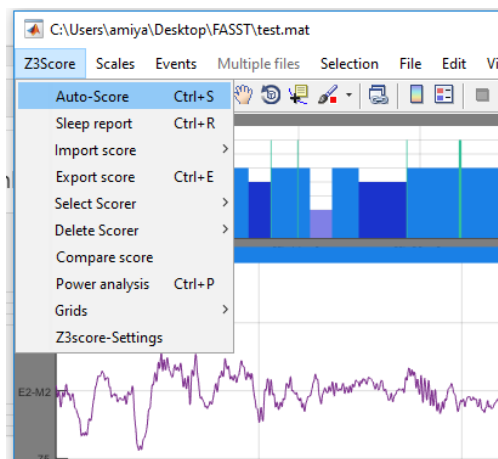
The image shows a Windows-style dialog box titled "Z3Score License". It contains a "License" section with the following fields and options:

- Server URL/IP:port**: A text box containing the value `http://169.0.2.32:80`.
- ☒ **This is a local XML-RPC server (email ID and key not required)**
- Email ID**: An empty text box.
- API Key**: An empty text box.

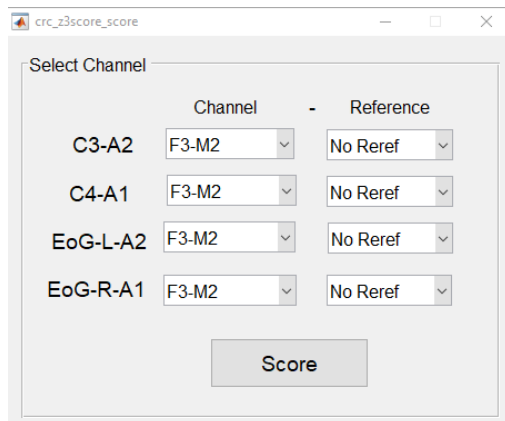
At the bottom of the dialog is a button labeled "Check License and Save".

- Server URL/IP:port should be <http://z3score-server-ip:80>, if the server is located at 169.0.2.32 then enter <http://169.0.2.32:80>
- Tick "this is a local XML-RPC server"
- You do not need to enter any username or key

## How to auto-score



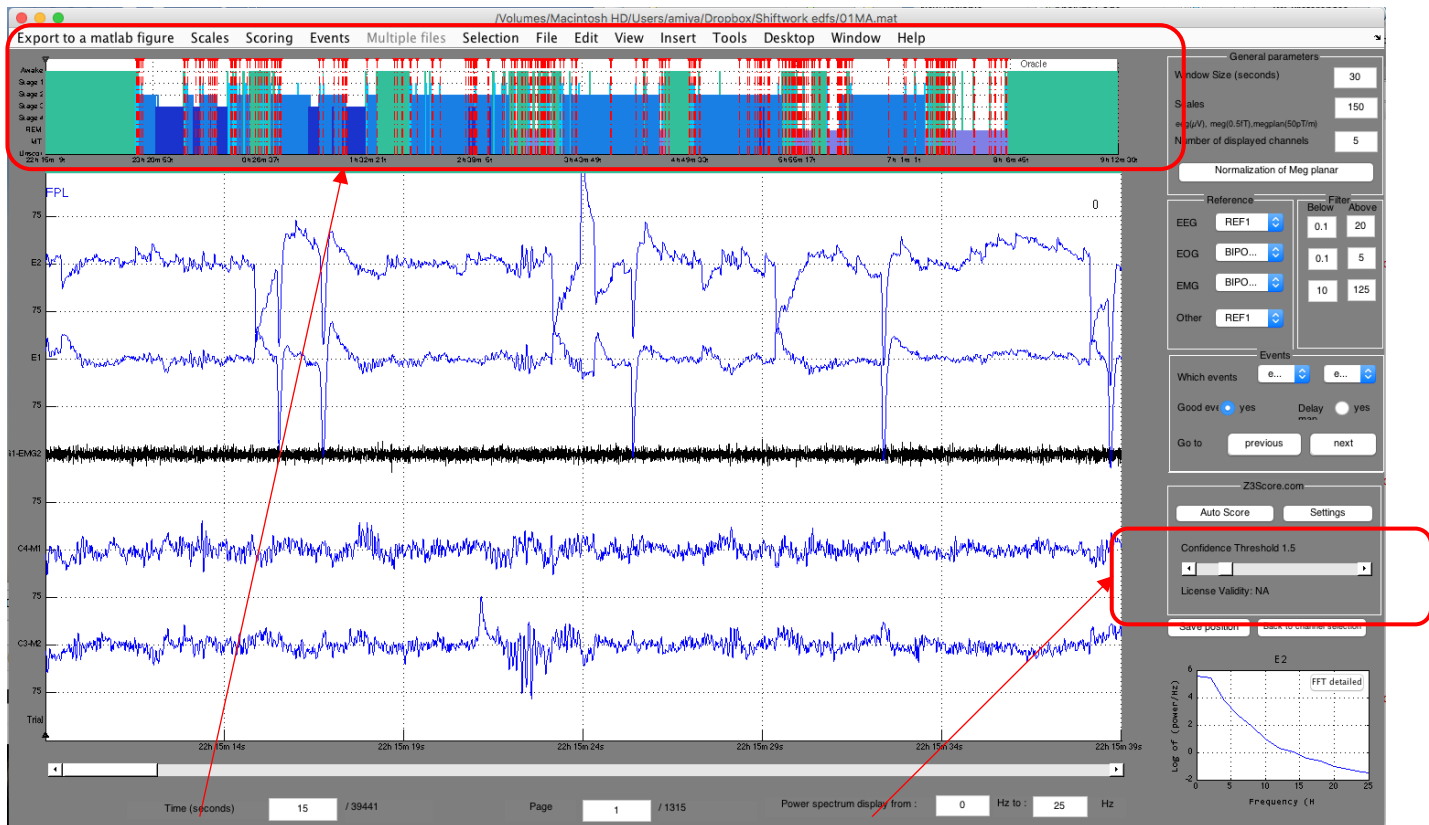
Once z3score is setup (which is a one-time process), click on Auto-Score in the Z3Score drop down. This will open the channel selection menu:



The channel selection menu now supports re-referencing the channels. For Accurate scoring these channels are required:

C3-A2  
C4-A1  
EoG-Left-A2  
EoG-Right-A1

- Once you click score, wait for the data to be converted into CFS format and sent over to the server for scoring.



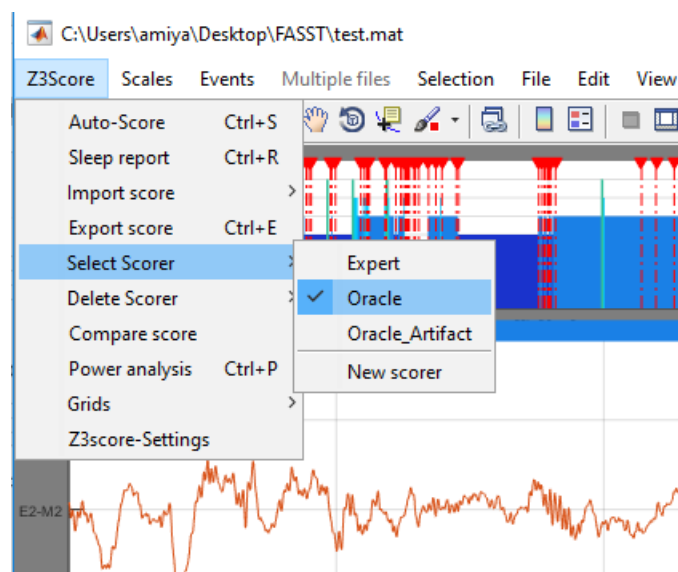
Hypnogram. Ambiguous epochs are marked in red for review.

Control confidence threshold for ambiguous epochs.

There are two automatic scorers: Oracle and Oracle\_Artifact

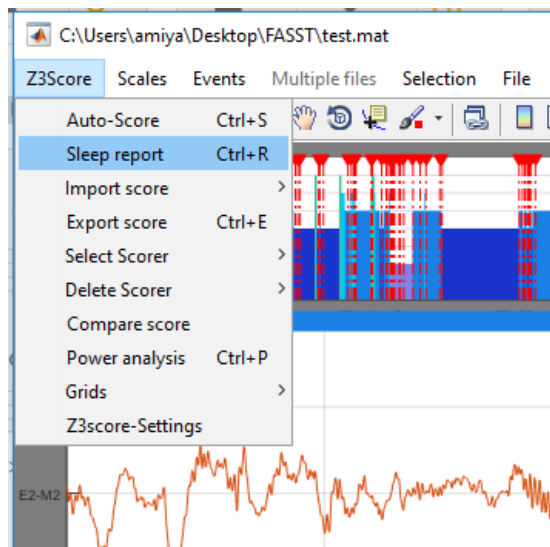
Oracle uses 30 seconds' epochs to do scoring according to AASM criteria.

Oracle\_Artifact uses 5 seconds' epochs and in addition to scoring, marks artefactual epochs.

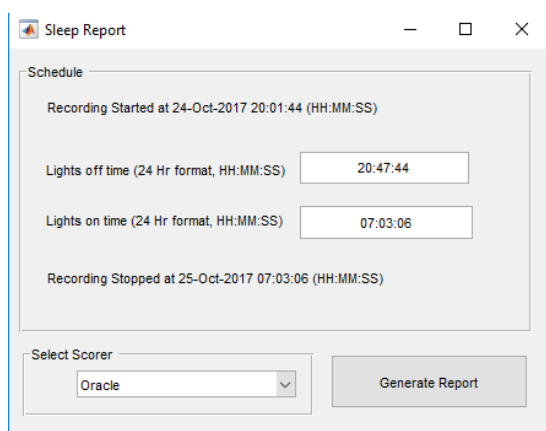


## Create Sleep Reports

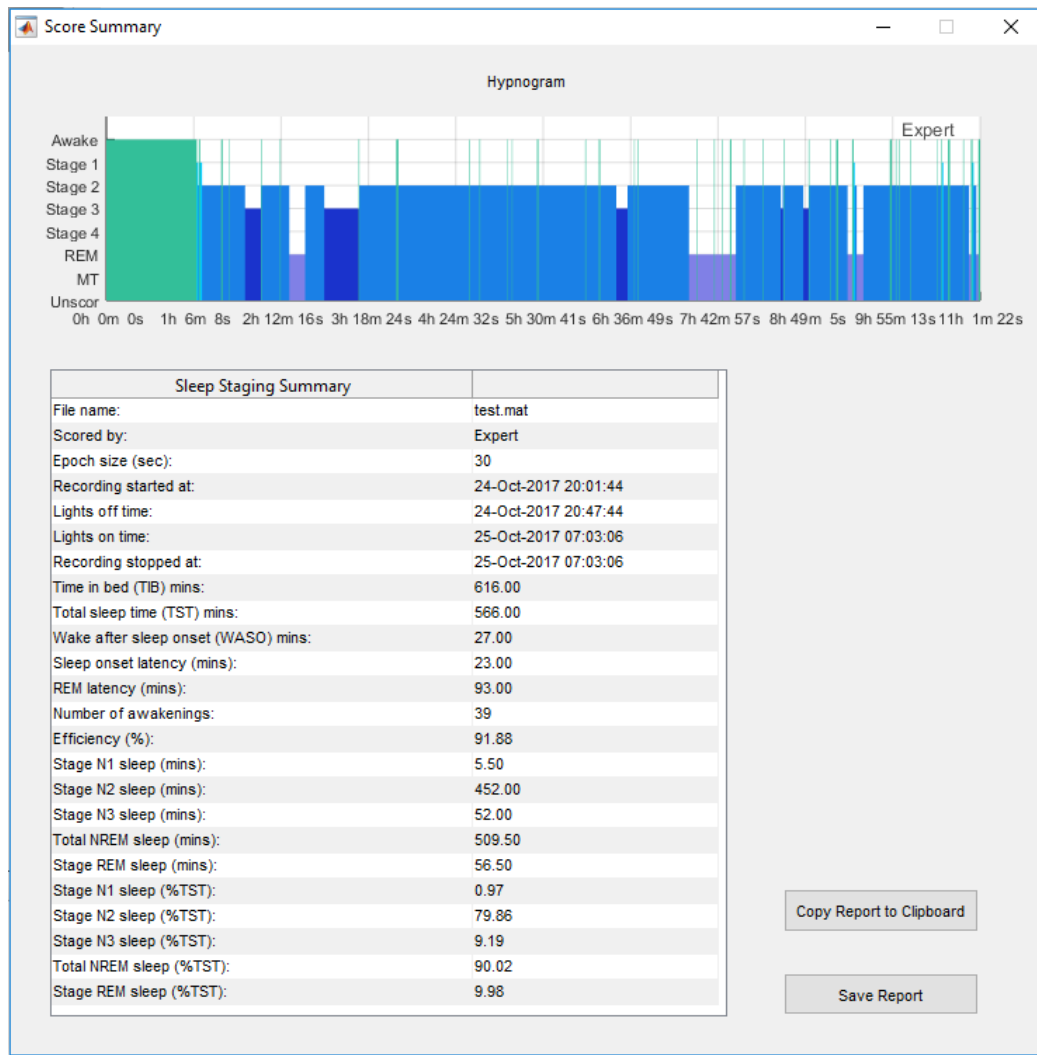
Click Sleep report from the Z3Score drop down menu



You will have to enter the lights off and lights on time manually (this is a one time process, Z3Score-FASST remembers the settings next time you open the same datafile). For your reference, the recording start and stop time are shown.

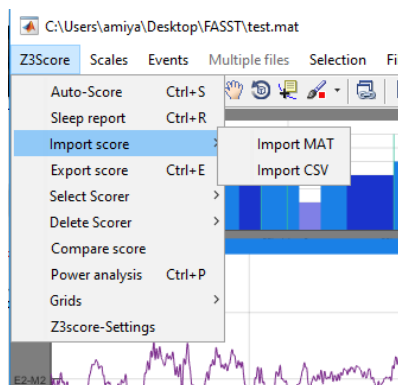


Select the sleep scorer you want to generate the report for and click generate report.



You can click the copy report button to copy the full table and paste it in Excel or any other spreadsheet program. You can also save the report as a CSV file.

You can easily import or export sleep scores using the import/export button from the Z3Score drop down:



If you have any questions contact us at [contact@neurobit.io](mailto:contact@neurobit.io)