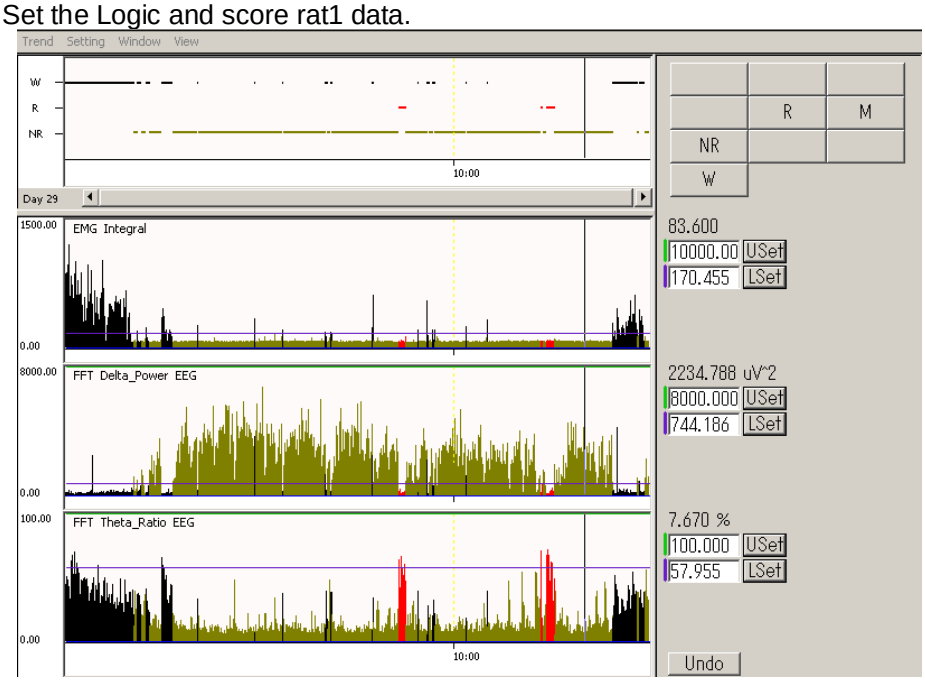
How can I optimize the logic parameters to cope with discrepancies of signal amplitude between animals?

The amplitude of waveforms sometimes increase or decrease between each recording even with the same recording system due to attachment of electrodes, calibration, filtering and other reasons.

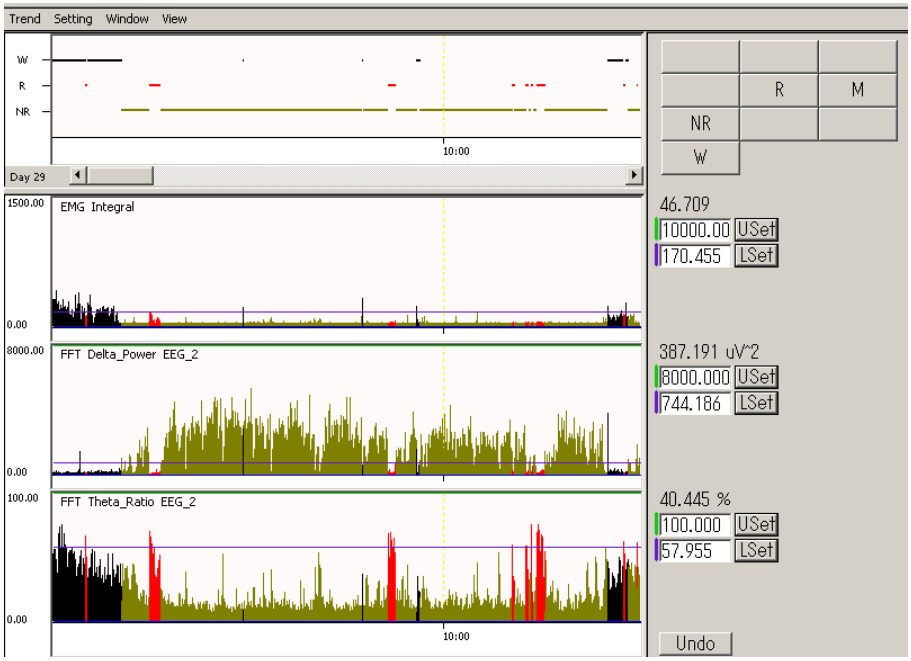
If there is discrepancy in signal amplitude baseline between animals, you will need to make adjustment with threshold value of conditions in the Logic.

<Example>

1. Set the Logic and score rat1 data.

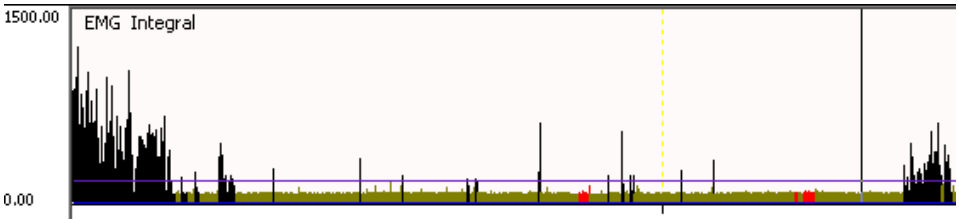


2. Score rat2 data based on the same.

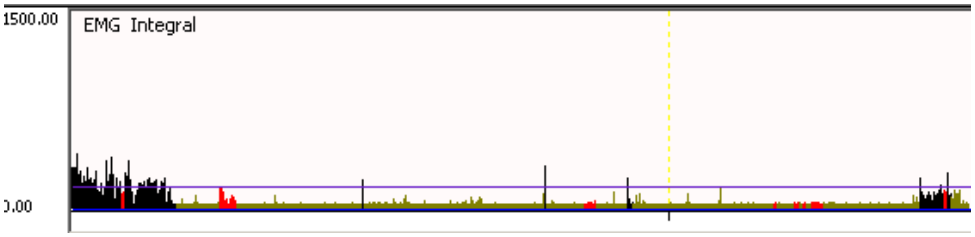


3. EMG integral baseline is decreased in rat2 data. As a result, less wake stages are detected.

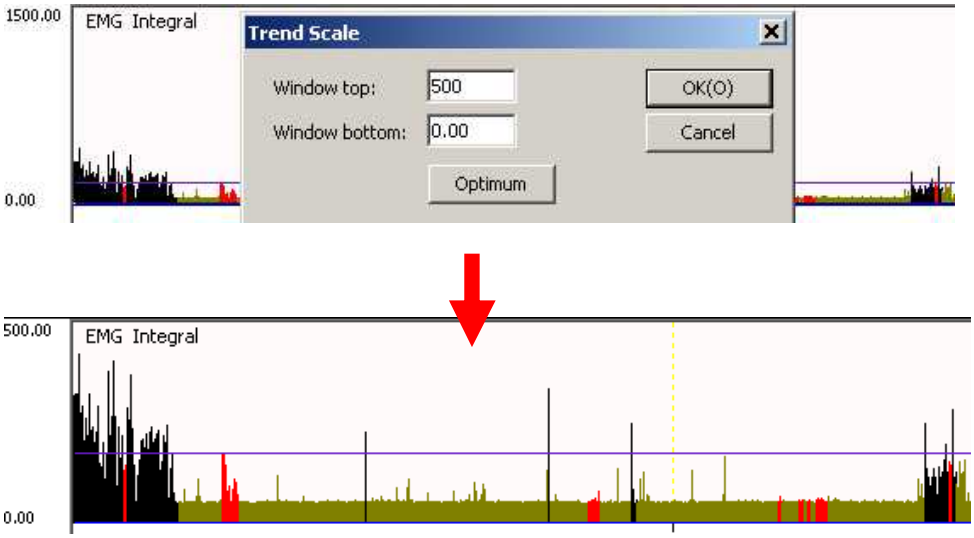
<Rat1>



<Rat2>



4. In rat2 EMG integral, optimize the scale of EMG integral trend graph.
Mouse right click on the trend graph, select **Scale**, set suitable scale value and click **OK**.



5. Adjust the threshold of EMG integral value by dragging up or down the bar on the trend graph. Then threshold value of the logic will be updated and stages will be re-scored accordingly.