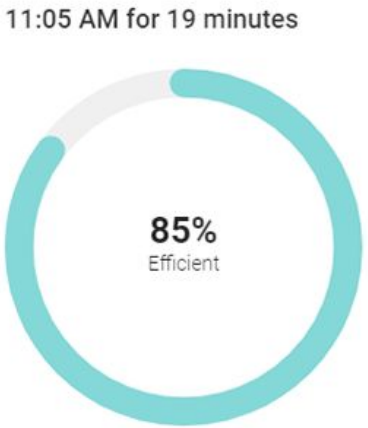
Neural Phase Locking

IN ACTION

Interpreting EEG Data



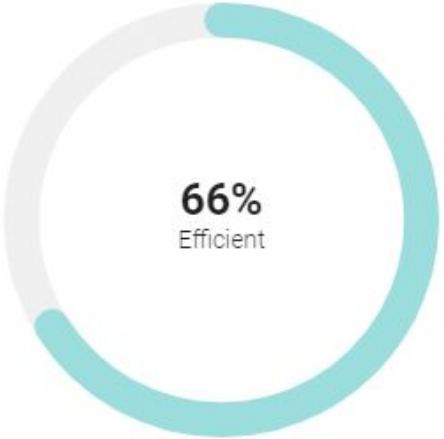
Score

A cumulative measure of neural activity as it increases and decreases. Dips in focus-related EEG activity count against the efficiency score.

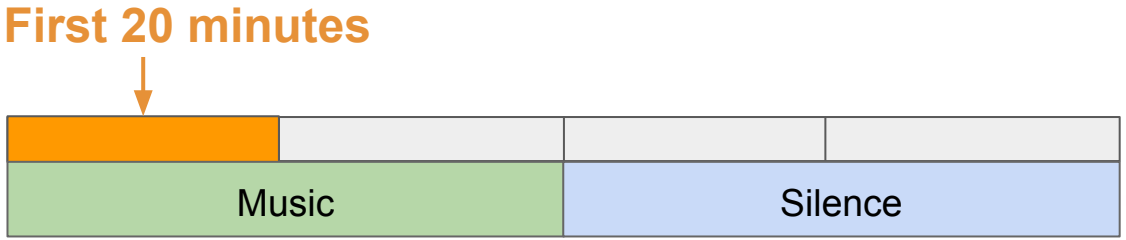
Chart

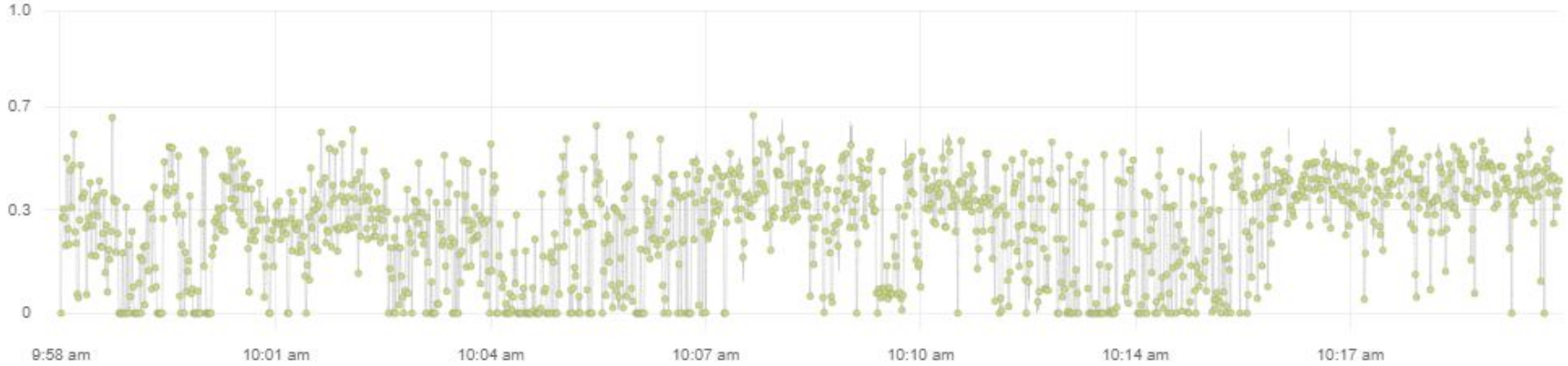
The EEG measures attentional networks communicating across the cortex, giving it a score between 0 and 1. An ideal chart would show points tightly grouped and vertically centered.

9:58 AM for 21 minutes

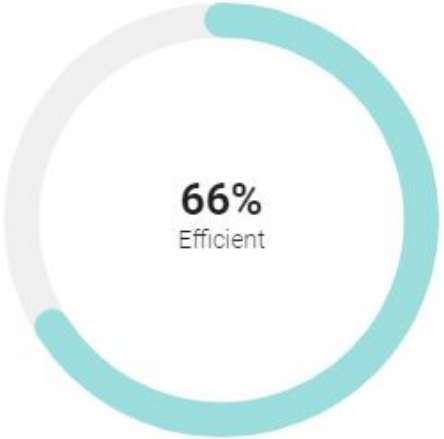


EEG recording while the neural stimulation music is playing



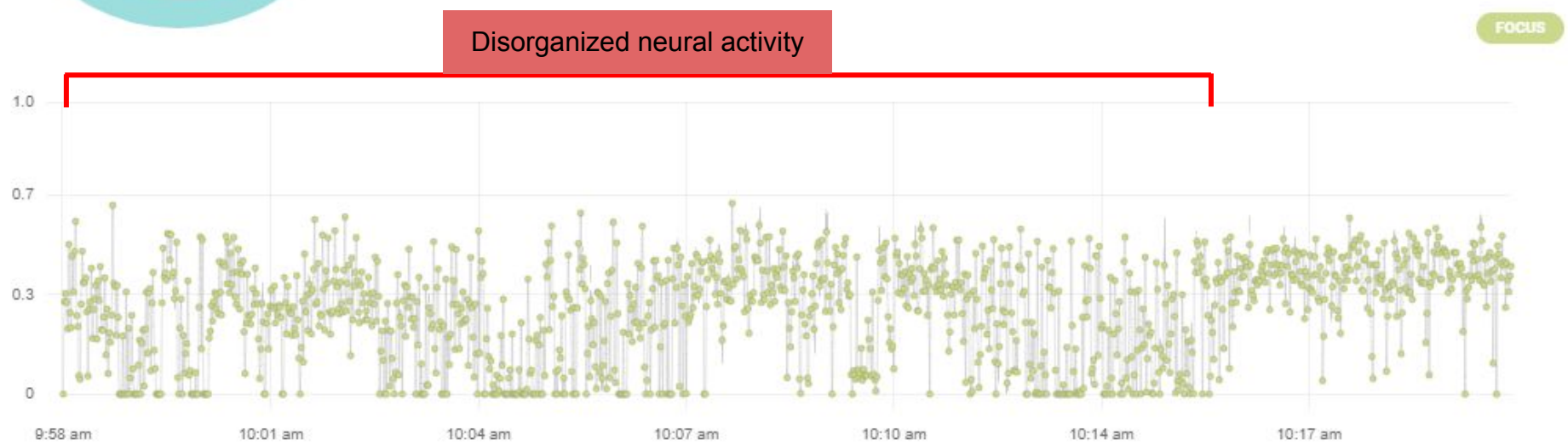


9:58 AM for 21 minutes

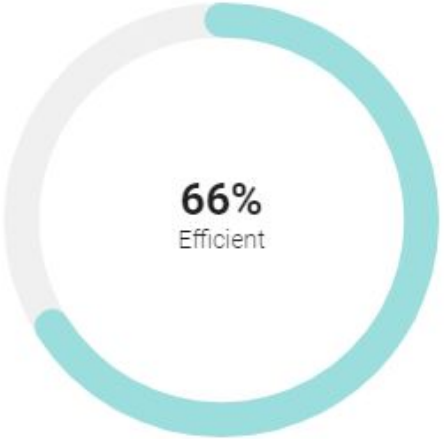


EEG recording while the neural stimulation music is playing

First 20 minutes

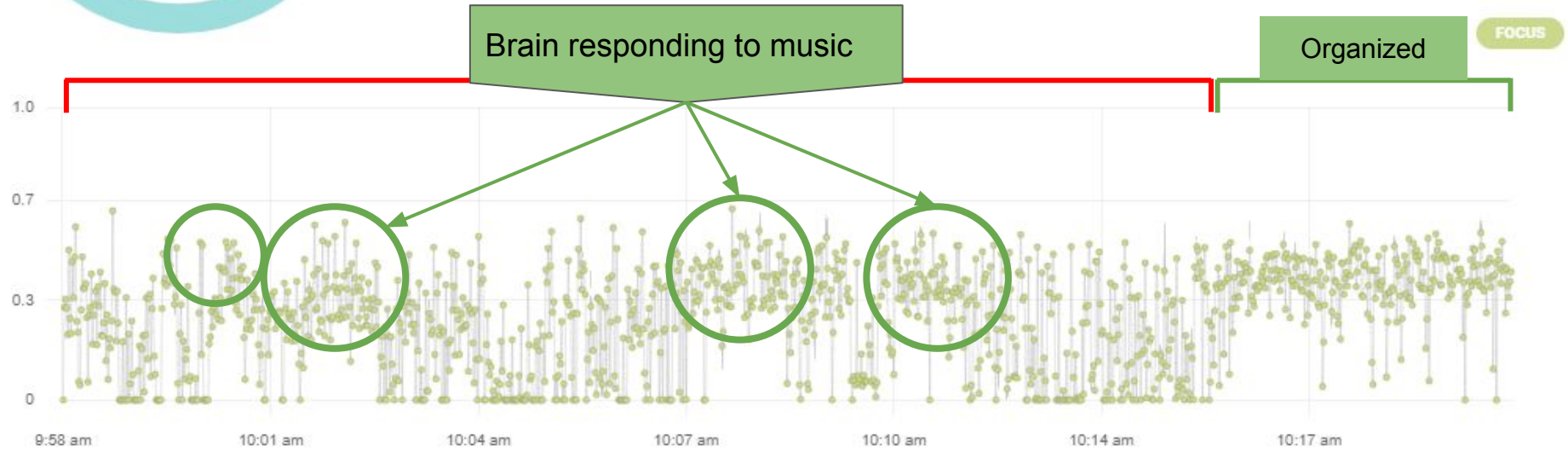


9:58 AM for 21 minutes



EEG recording while the neural stimulation music is playing

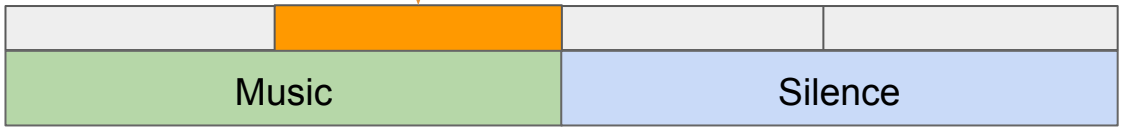
First 20 minutes



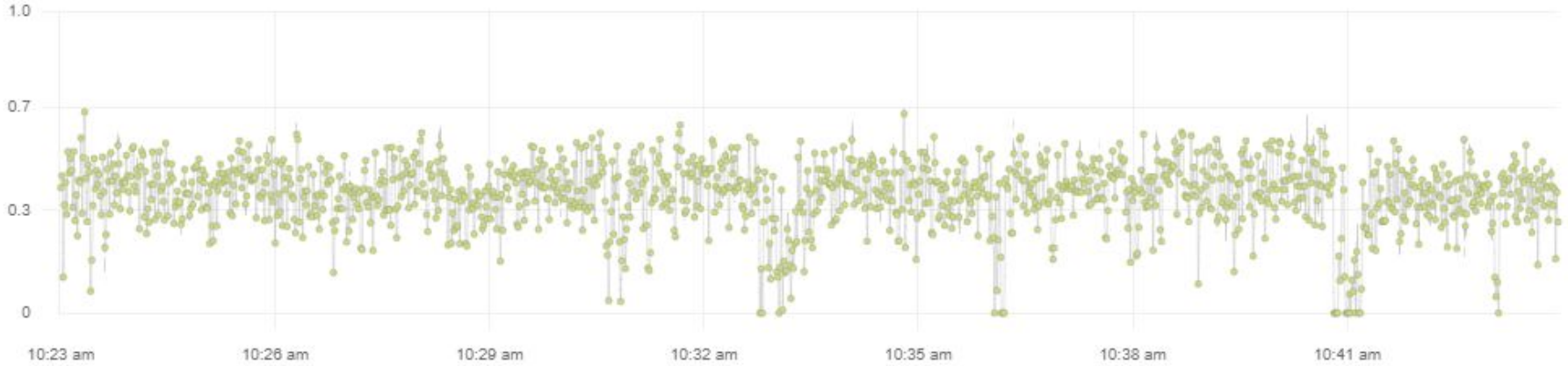
10:23 AM for 21 minutes

EEG recording while the neural stimulation music is playing

Second 20 minutes



FOCUS



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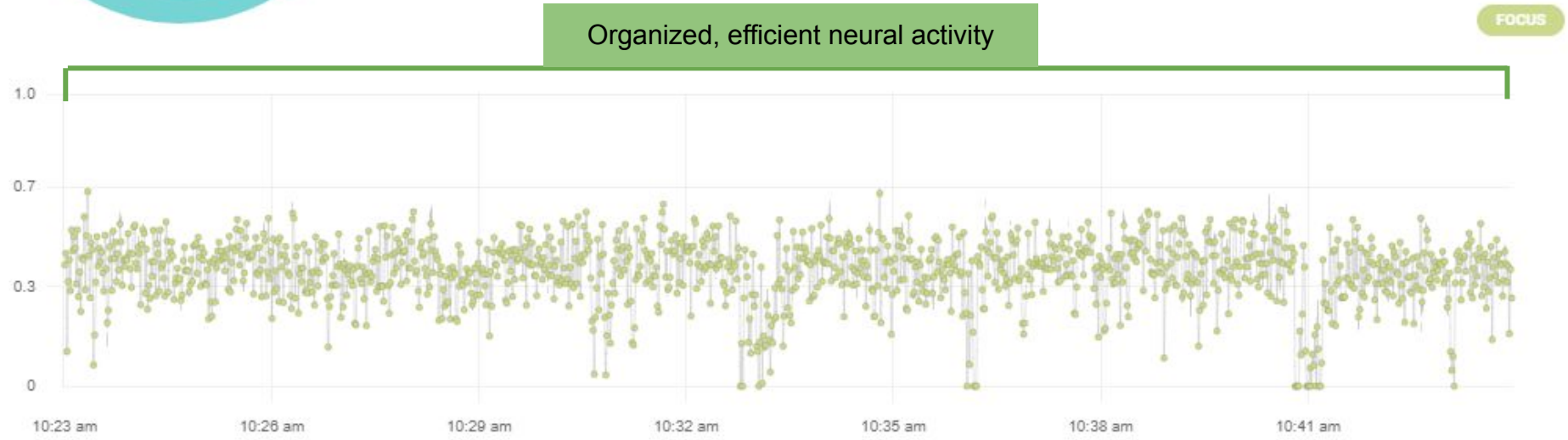
EEG recording while the neural stimulation music is playing

Second 20 minutes



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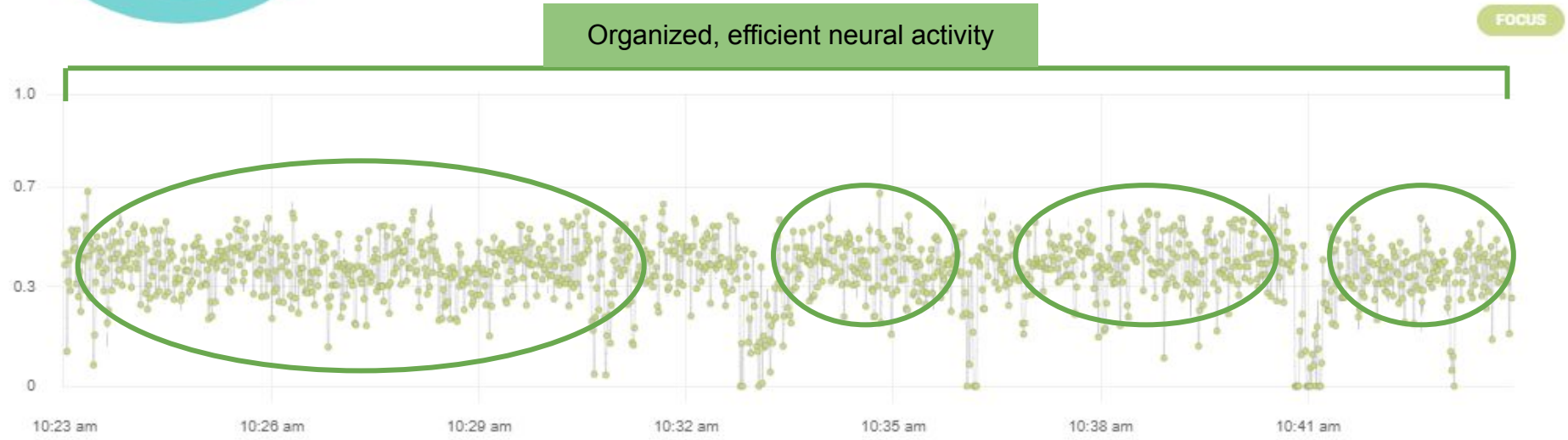
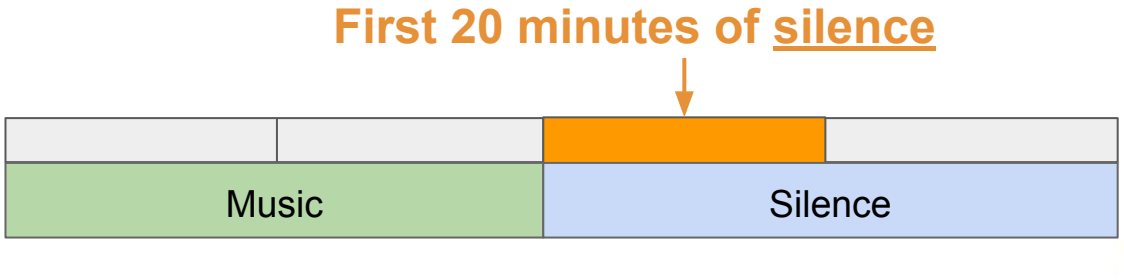
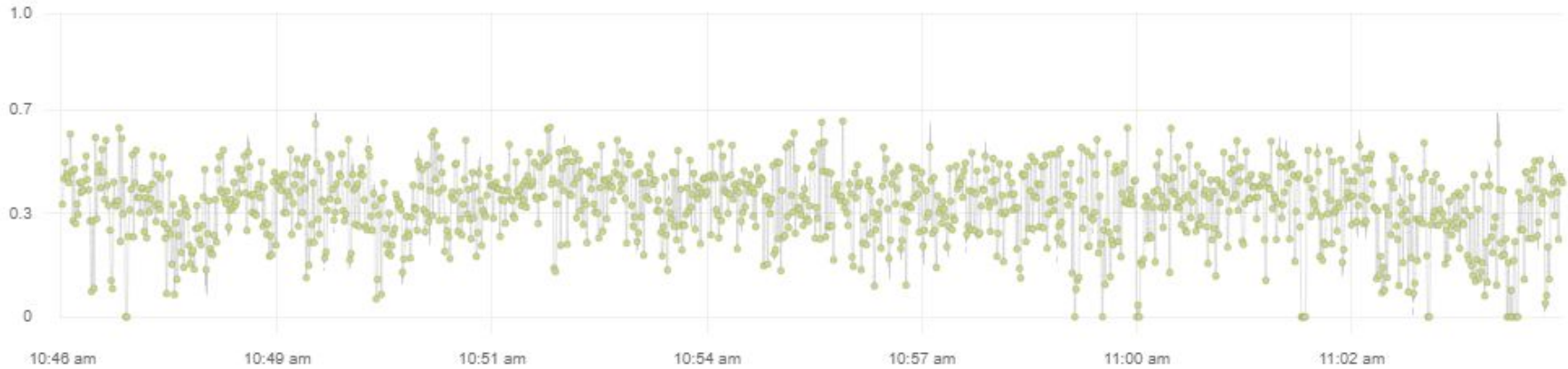
Second 20 minutes



10:46 AM for 19 minutes

EEG recording after stimulation



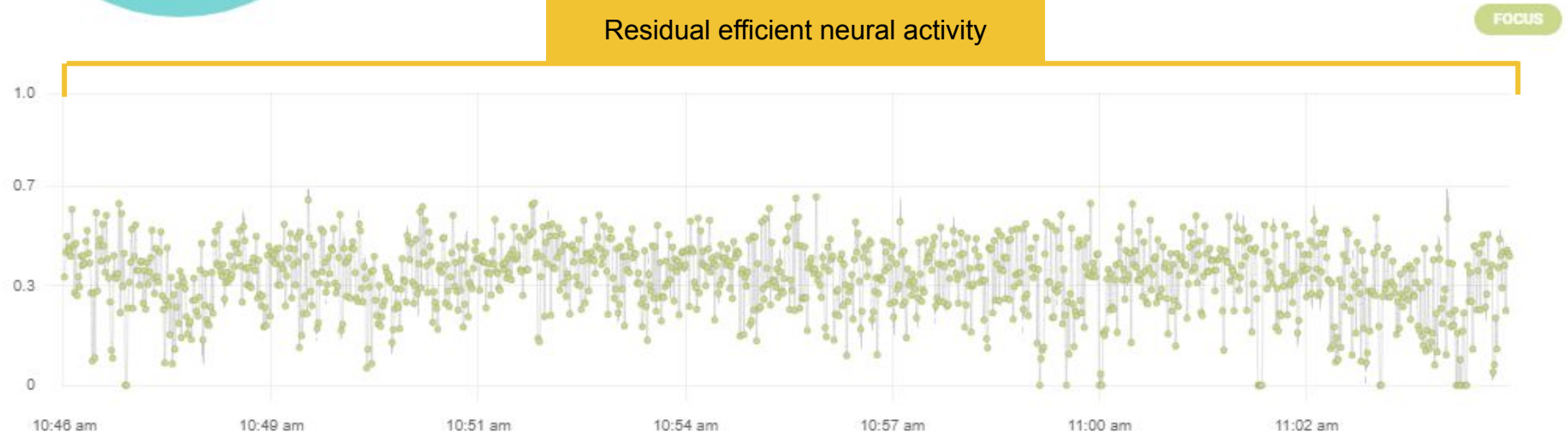


10:46 AM for 19 minutes

EEG recording after stimulation

First 20 minutes of silence

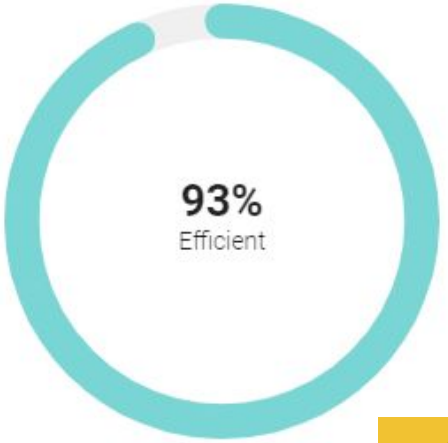
Residual efficient neural activity

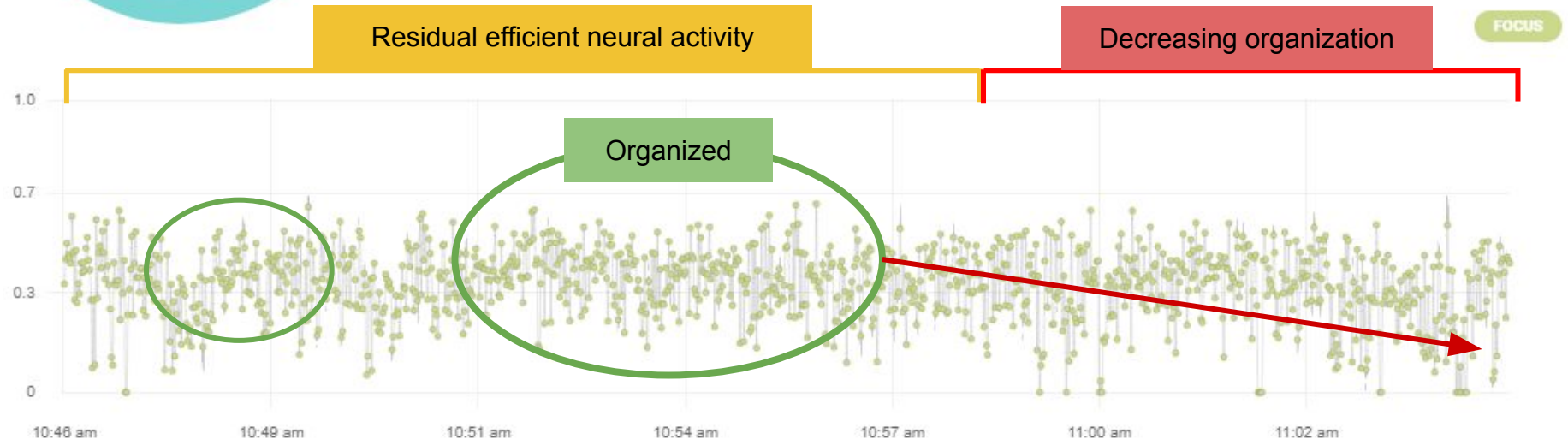


10:46 AM for 19 minutes

EEG recording after stimulation

First 20 minutes of silence

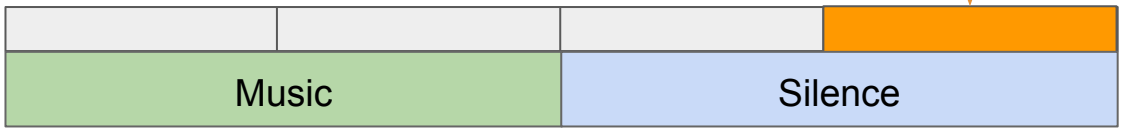


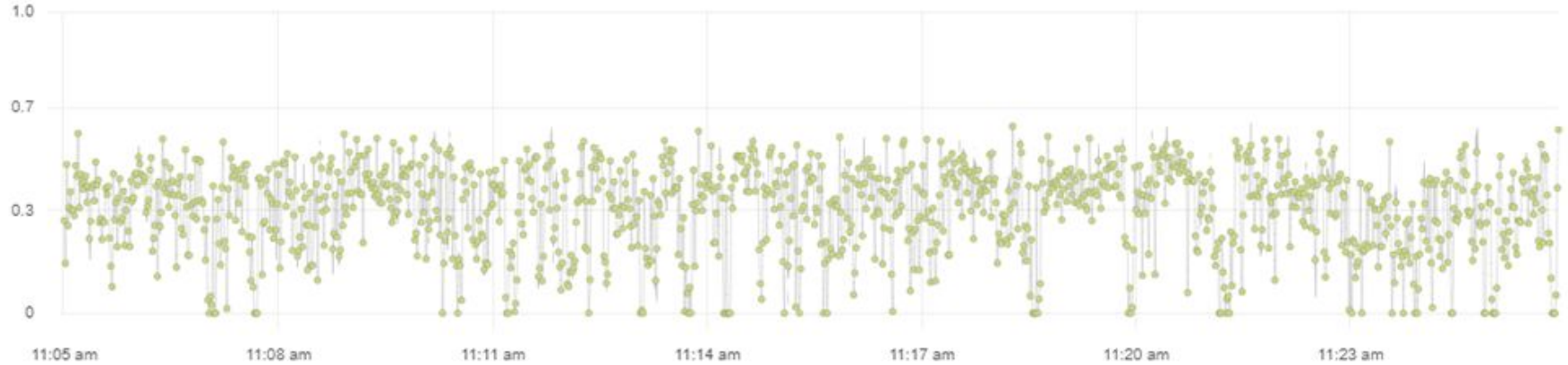


11:05 AM for 19 minutes

EEG recording after stimulation

Second 20 minutes of silence



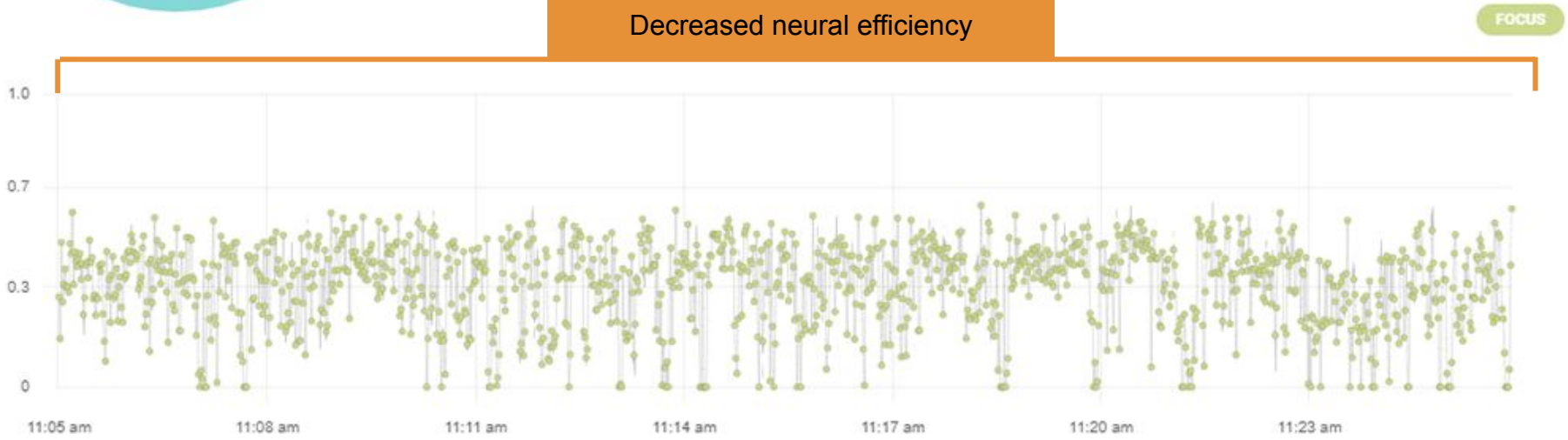


11:05 AM for 19 minutes

EEG recording after stimulation

Second 20 minutes of silence

Decreased neural efficiency

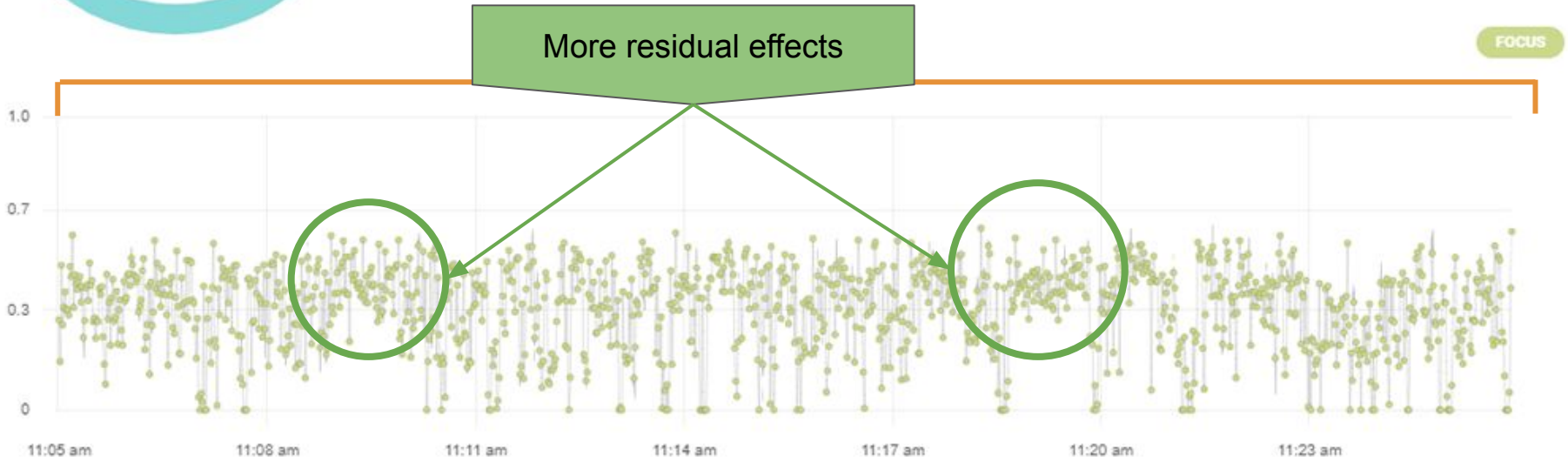


11:05 AM for 19 minutes

EEG recording after stimulation

Second 20 minutes of silence

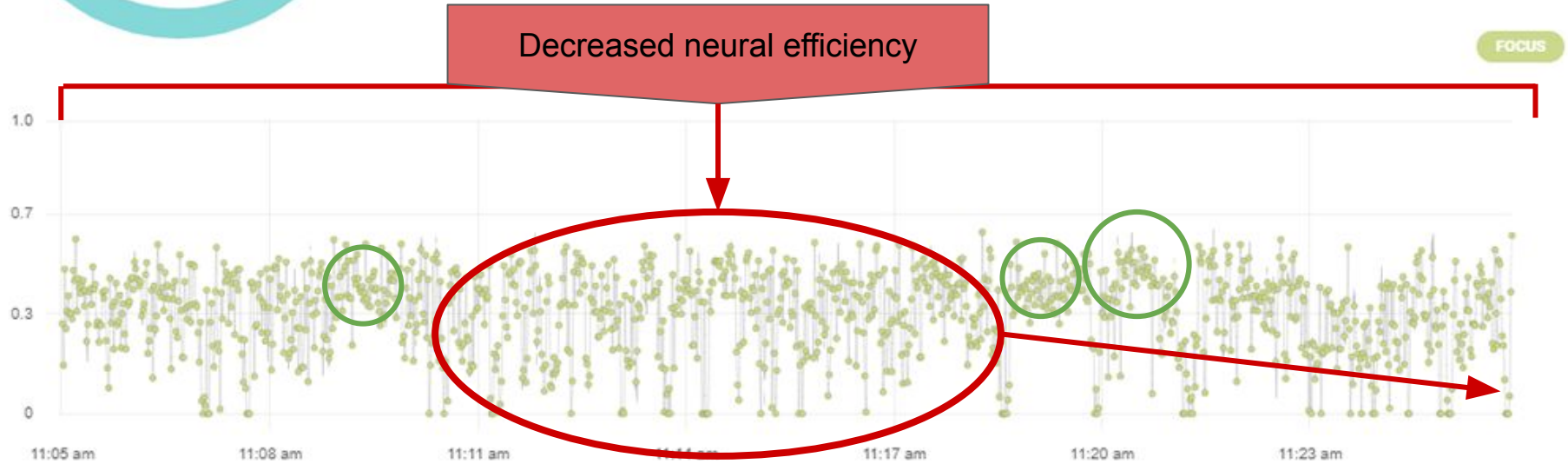
Even 20+ minutes after a track, subject still exhibits more organized, efficient neural activity



11:05 AM for 19 minutes

EEG recording after stimulation

Second 20 minutes of silence



Progress of neural activity