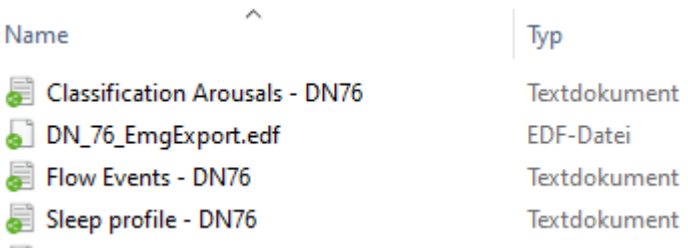
# Working Instruction: semi-automated REM sleep analysis

## Preparation I.

1. Create a Folder with name / acronym of subject (i.e. RBD0001)

→ in the end you will have 4 files

- EDF Data
- Flow Events
- Classification Arousals
- Sleep profile

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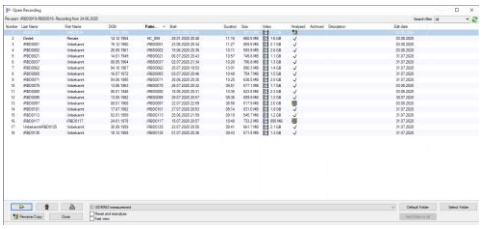
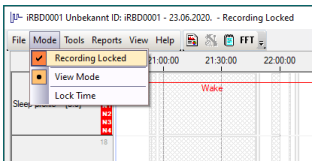
## Preparation II.

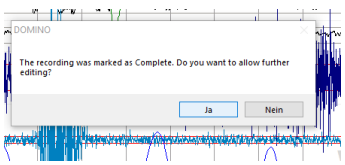
1. Open DOMINO Software → Analysis → open the PSG you want to analyse



If PSG is locked:

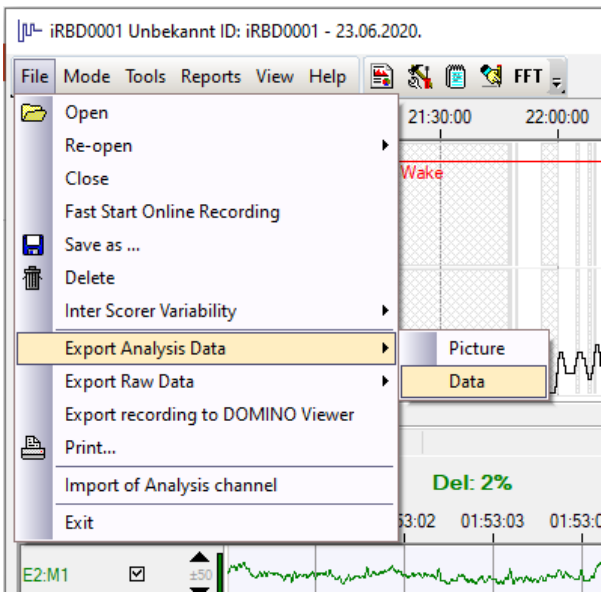
2. Mode → Recording Locked → unlock

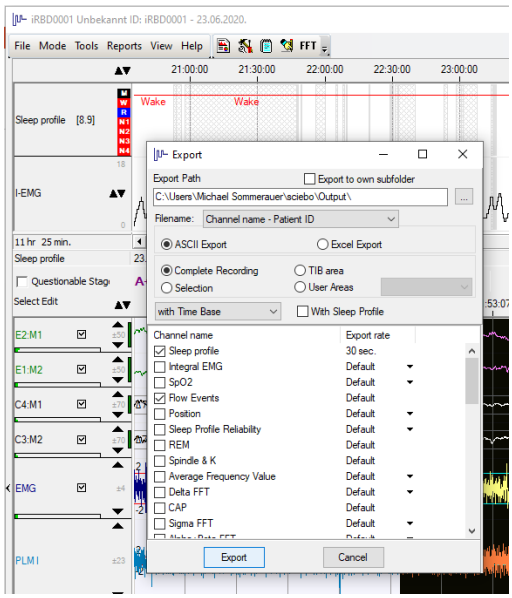


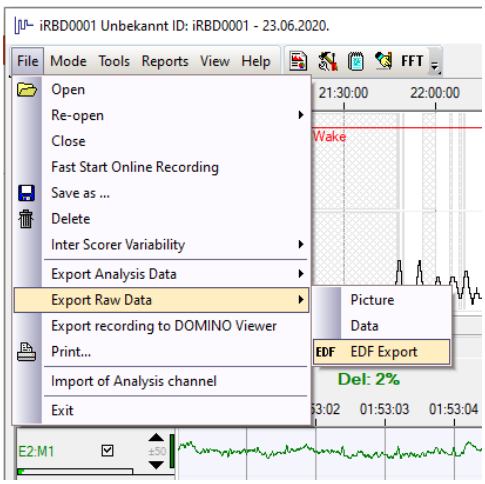
## Save data

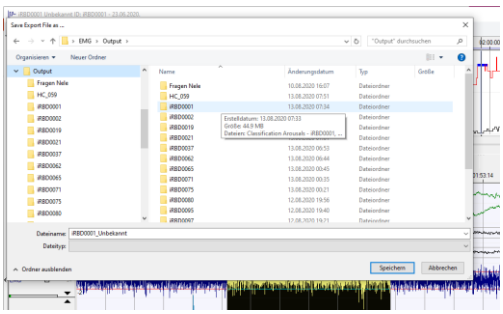
- File → export analyzing data → data → sleep profile / flow events / classification Arousals → Export and save to the folder you created

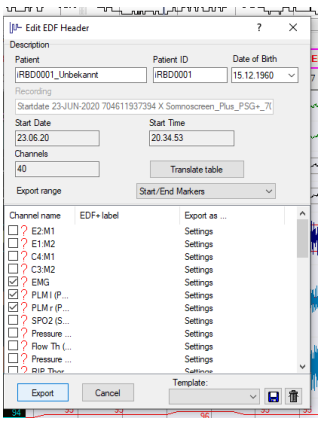



- File → export raw data → EDF export → save to the folder you created → choose the data you want to save (at least all EMG channels you want to analyze) → export

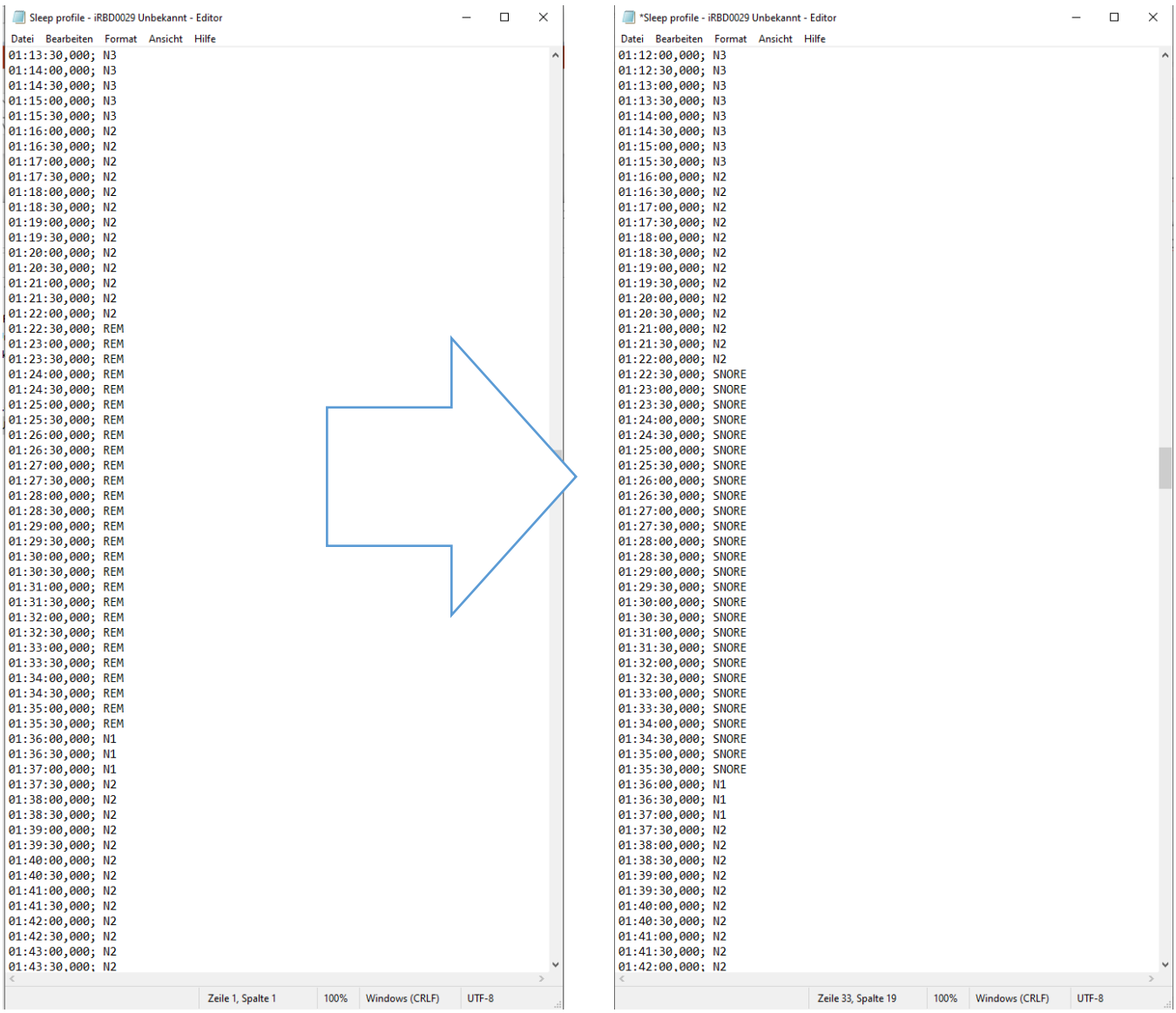




## Elimination of snoring artifacts on chin EMG:

- Snoring artifacts can be marked in the sleep profile:
- 1st you have to look trough the PSG data to find the epochs of snoring artifacts on the chin EMG, 2nd you manually change the sleep profile you saved before
- Open sleep profile → change „REM“ to snore for all 30s epochs corrupted by snoring artifacts → save modified sleep profile with addition of „SNORE“ to the file name




If you mark REM to SNORE, RBDtector will discard these epochs from chin EMG analysis, but keeps all other EMG channels for analysis. Be aware to not change NREM epochs to SNORE as RBDtector will handle them as REM sleep