

Cycle profile

Parameters used at IJCLab on April 2023 EOL test at LN2

- Motor speed : 1.5 revolution/s
- Start point (highest position) : 5888 revolutions
- Lowest point (lowest position) : 1792 revolutions
- One cycles duration (without pause time): 1 hours 37 minutes
- Motor current (0.4 A, tbc)
- Cool down time : 2 hours, in order to not exceed 200K on the motor (conventional)
- Cool down is applied at max position for motor cool down efficiency
- Total time for one cycle : 3 hours 37 minutes

- Total working time to achieve 100 full tuner swing : 15.01 days (24h working day)
 - This assume one tuner swing is only 4096 revolutions, starting from 1792 revolutions

