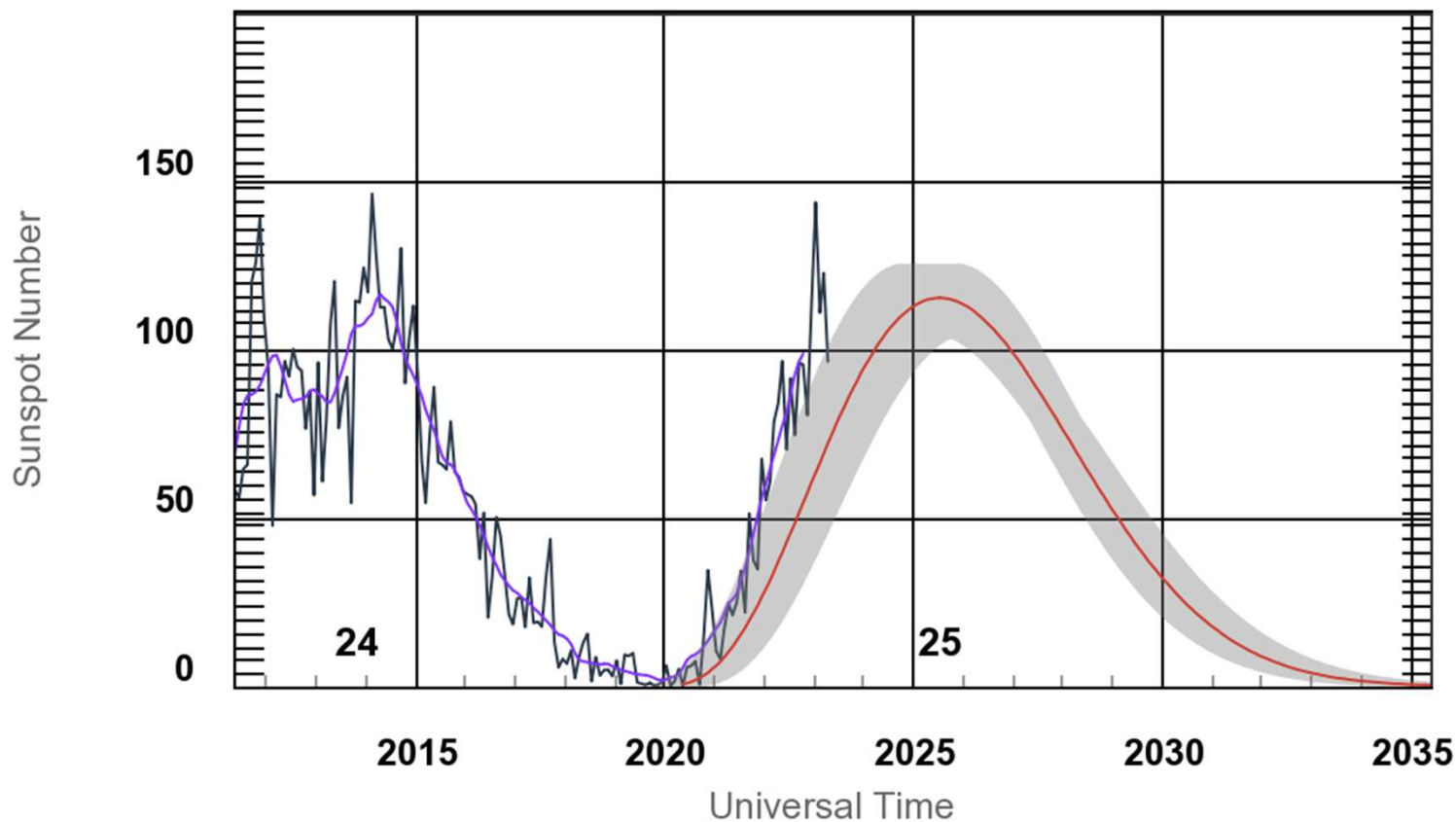


# ISES Solar Cycle Sunspot Number Progression

Zoom:



- ◆ Monthly Values
- Smoothed Monthly Values
- Predicted Values
- Predicted Range

# SPI BACKGROUND

- Comparison with early 2020 (Rev.2200 - solar minimum) :
- Significant increase of the solar activity:
  - Decrease of cosmic rays
  - ACS counter above ( $>100\text{MeV}$ ) decrease by  $\sim 1.7$
  - Ge TTsat ( $E > 8\text{ MeV}$ ) decrease by  $\sim 1.5$
  - Ge TTnon vetoed decrease by  $\sim 1.3$
- Thus less activation and less background
- TM usage is lower:
  - 10 pkts re-re-transferred to Jem-X

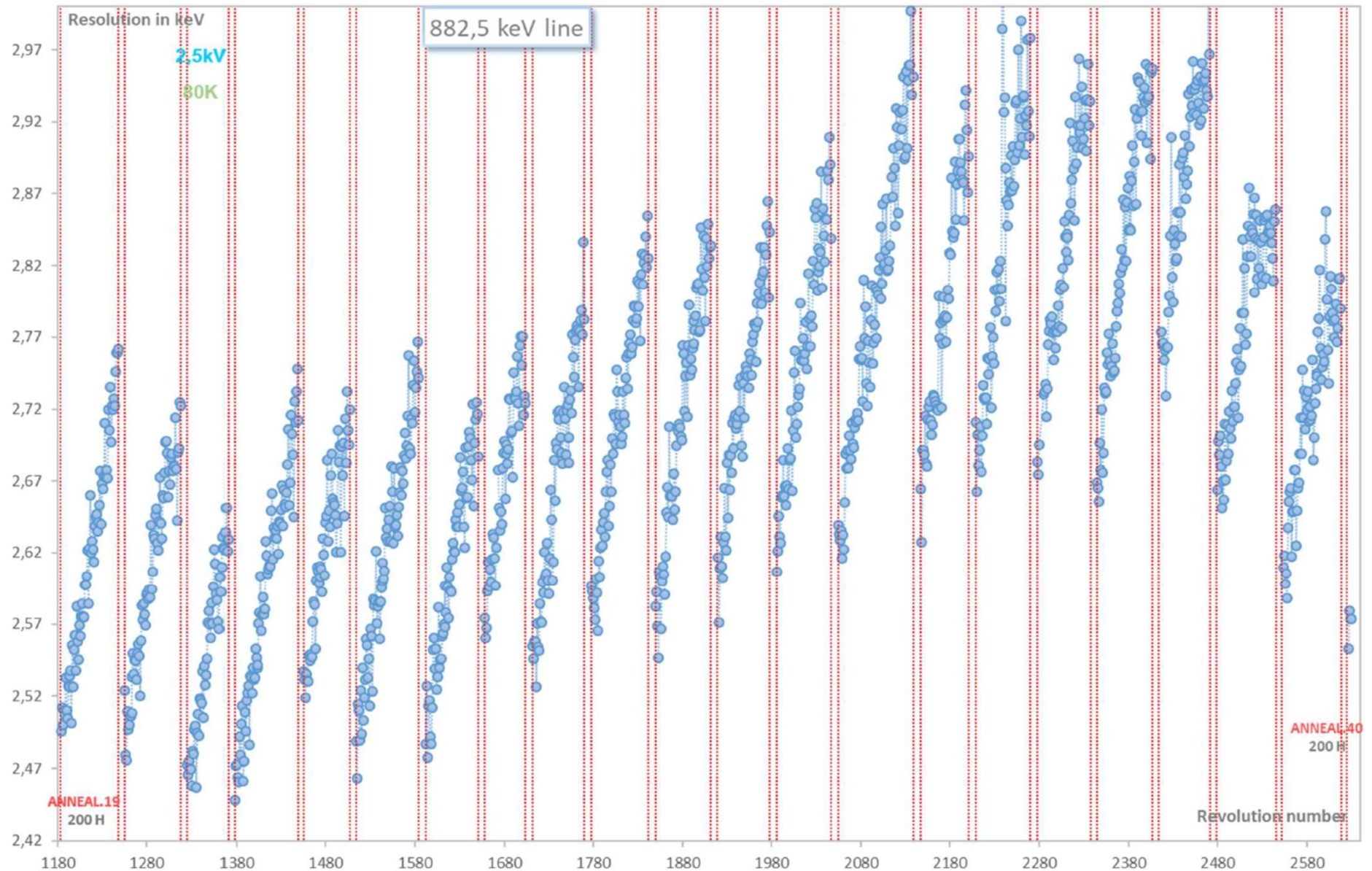
# **SPI CAMERA STATUS**

# ANNEALING 40th

- Annealing 40<sup>th</sup> March 19th – April 6th
- Duration: 200hrs
- Switch-on temperature 90K
- Smooth switch-on
- Good recovery
- We are approx. in the 2014 situation.

# ENERGY RESOLUTION HISTORY: 882.5 keV

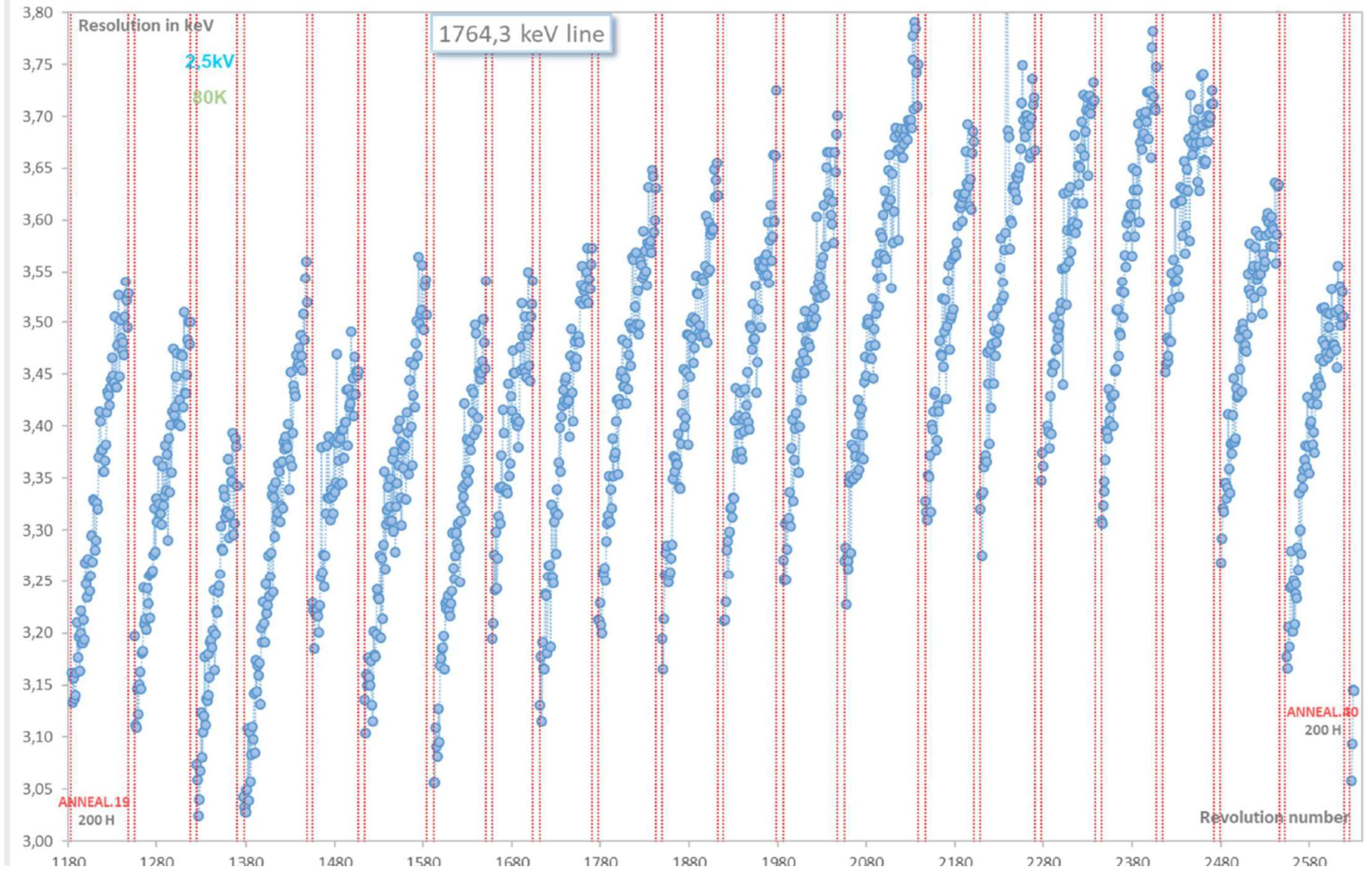
- Regular annealing ( GeD at 105C) restore GeD energy resolution.





# ENERGY RESOLUTION HISTORY: 1764.3 keV

- Regular annealing ( GeD at 105C) restore GeD energy resolution.



# ENERGY RESOLUTION HISTORY: 2754 keV

