

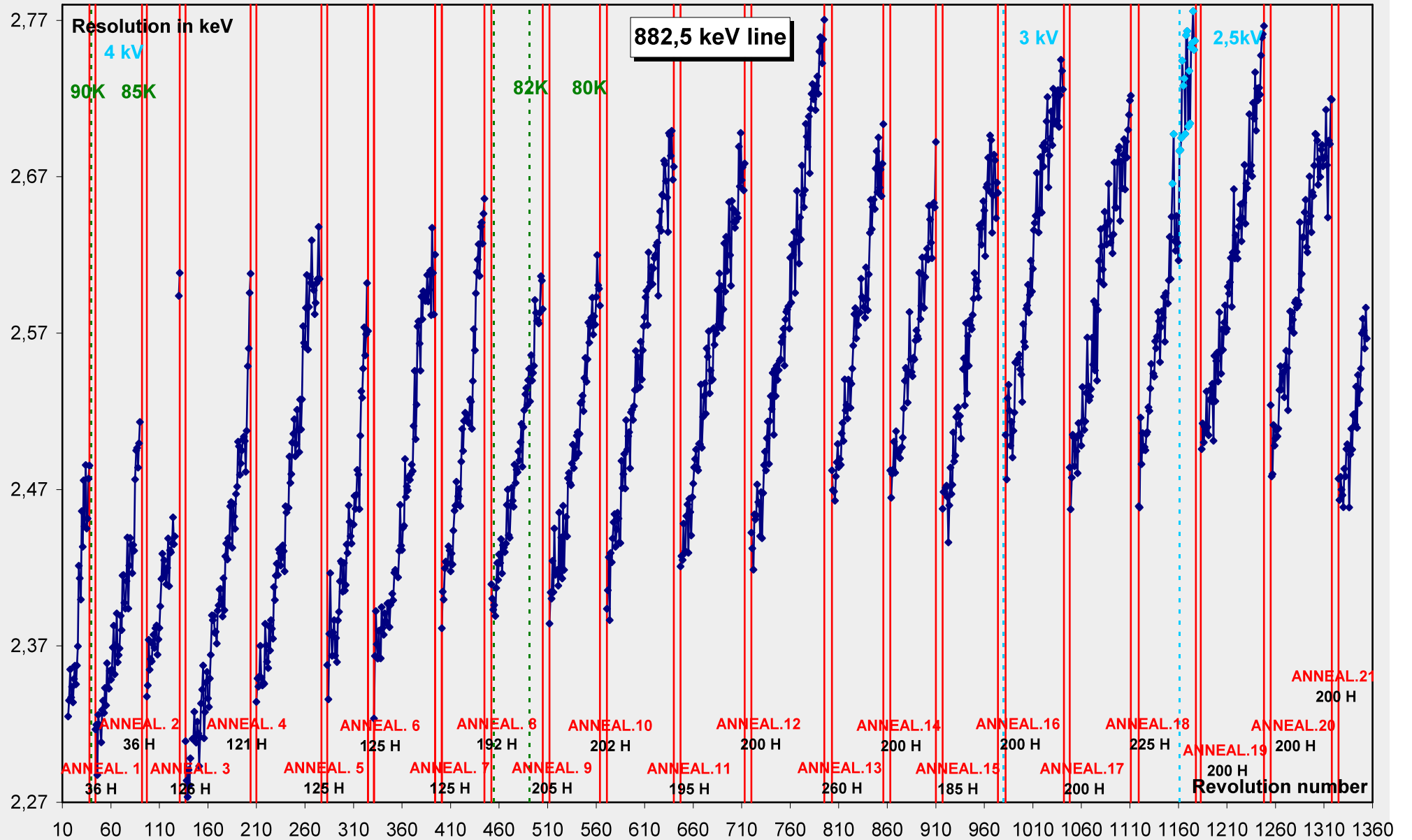
# **SPI STATUS**

# ANNEALING 21th

- Start: 2013, August, 1st
- Camera switch on : 2013, August 18<sup>th</sup>
- Smooth reactivation
- Very good recovery
- Tm gaps during switch-on and final cooling:
  - Could cause problems in case of anomaly ?

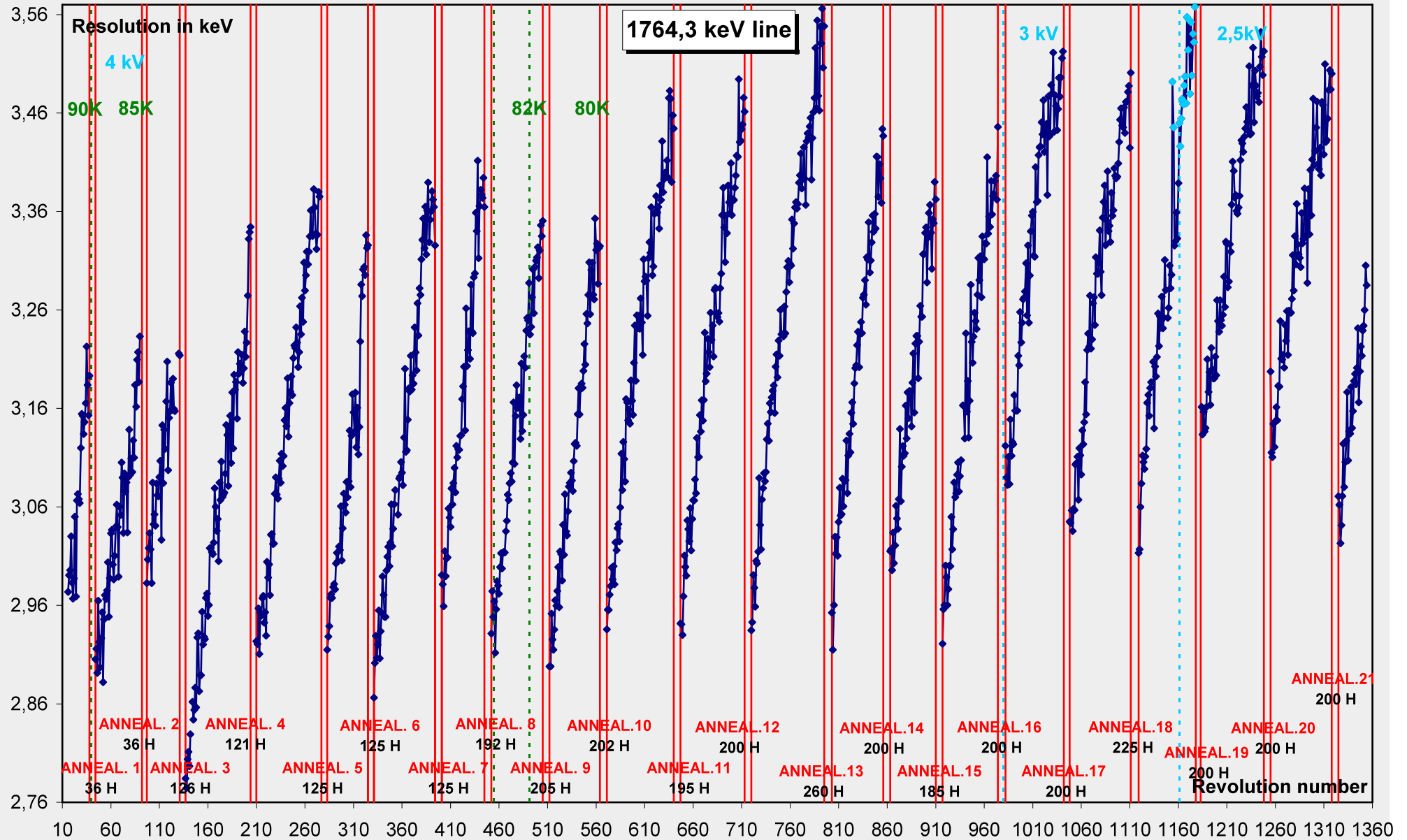
# ENERGY RESOLUTION HISTORY: 882.5 keV

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



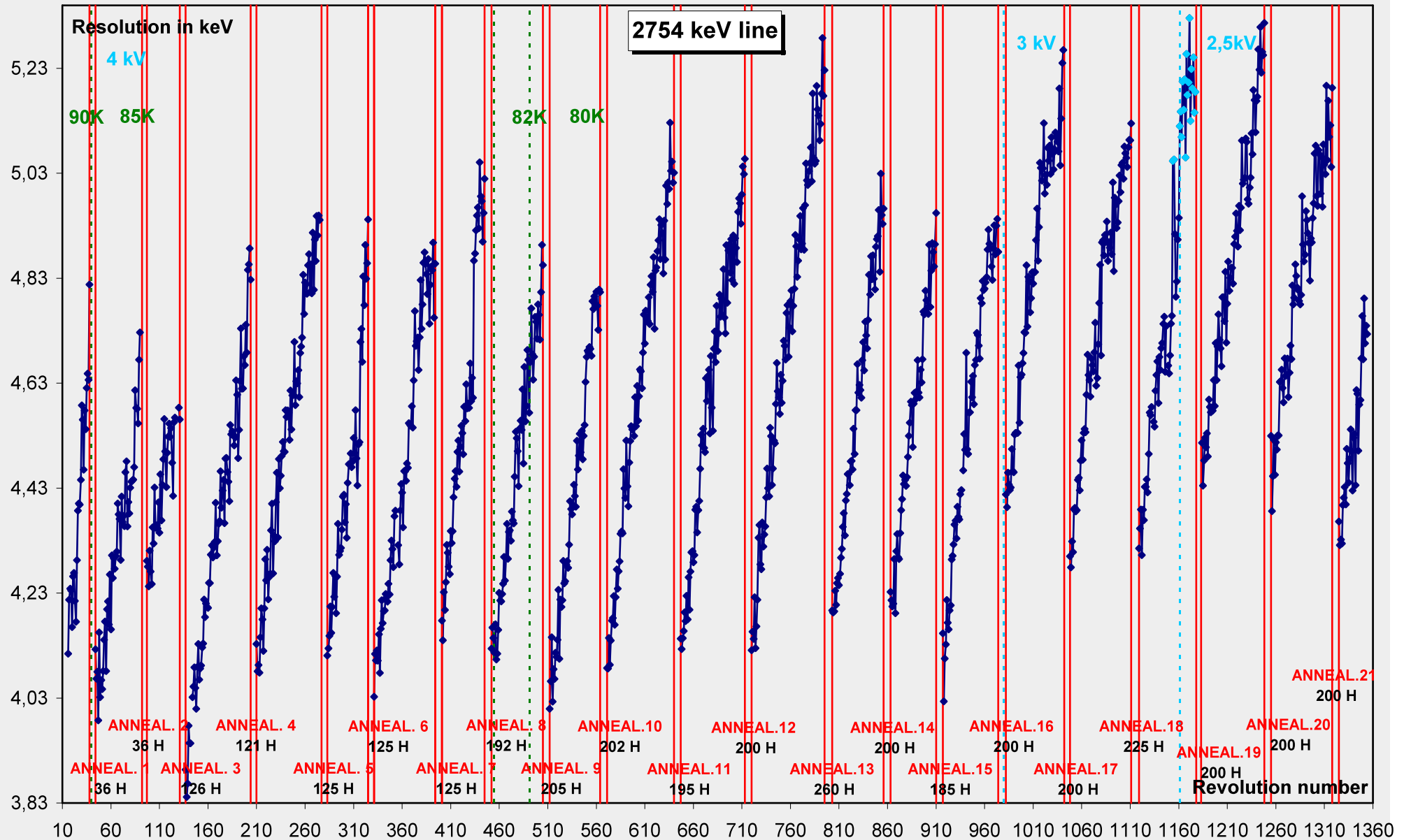
# ENERGY RESOLUTION HISTORY: 1764.3 keV

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



# ENERGY RESOLUTION HISTORY: 2754 keV

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



# ANNEALING 22th

- Extrapolation : second half of February 2014

# CRAB OBSERVATIONS REV 1268 – 1269

## FLARE 2013, March 3-5

### ATEL RESULTS

Rev 1268 ~ 3 X 31 scw

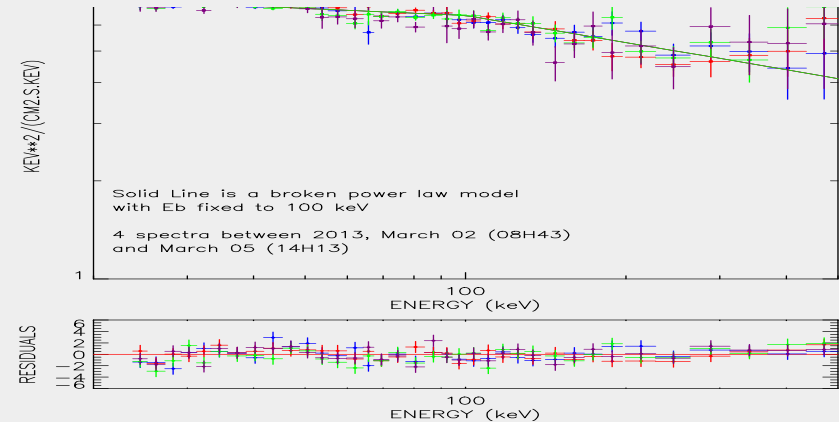
Rev 1269 ~ 10 scw

Photon Index 1 : 2.07

Break Energy (fixed) : 100 keV

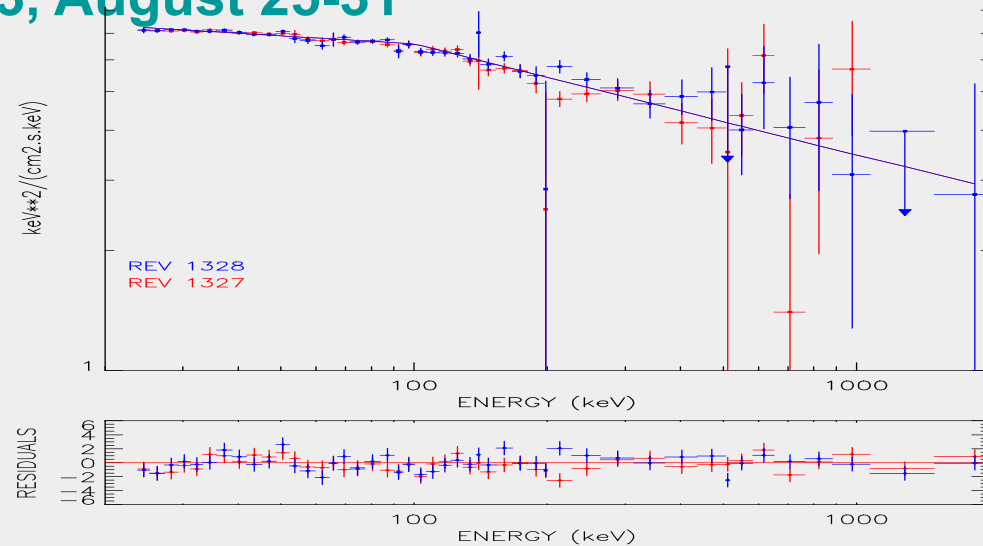
Photon Index 2 : 2.27

Flux@100 keV:  $6.6 \cdot 10^{-4}$  ph.cm<sup>-2</sup> s<sup>-1</sup> keV<sup>-1</sup>



# CRAB OBSERVATIONS REV 1327 – 1328

2013, August 25-31



Rev 1327 ~ 180 ks

Rev 1328 ~ 183 ks

Photon Index 1 : 2.07

Break Energy (fixed) : 100 keV

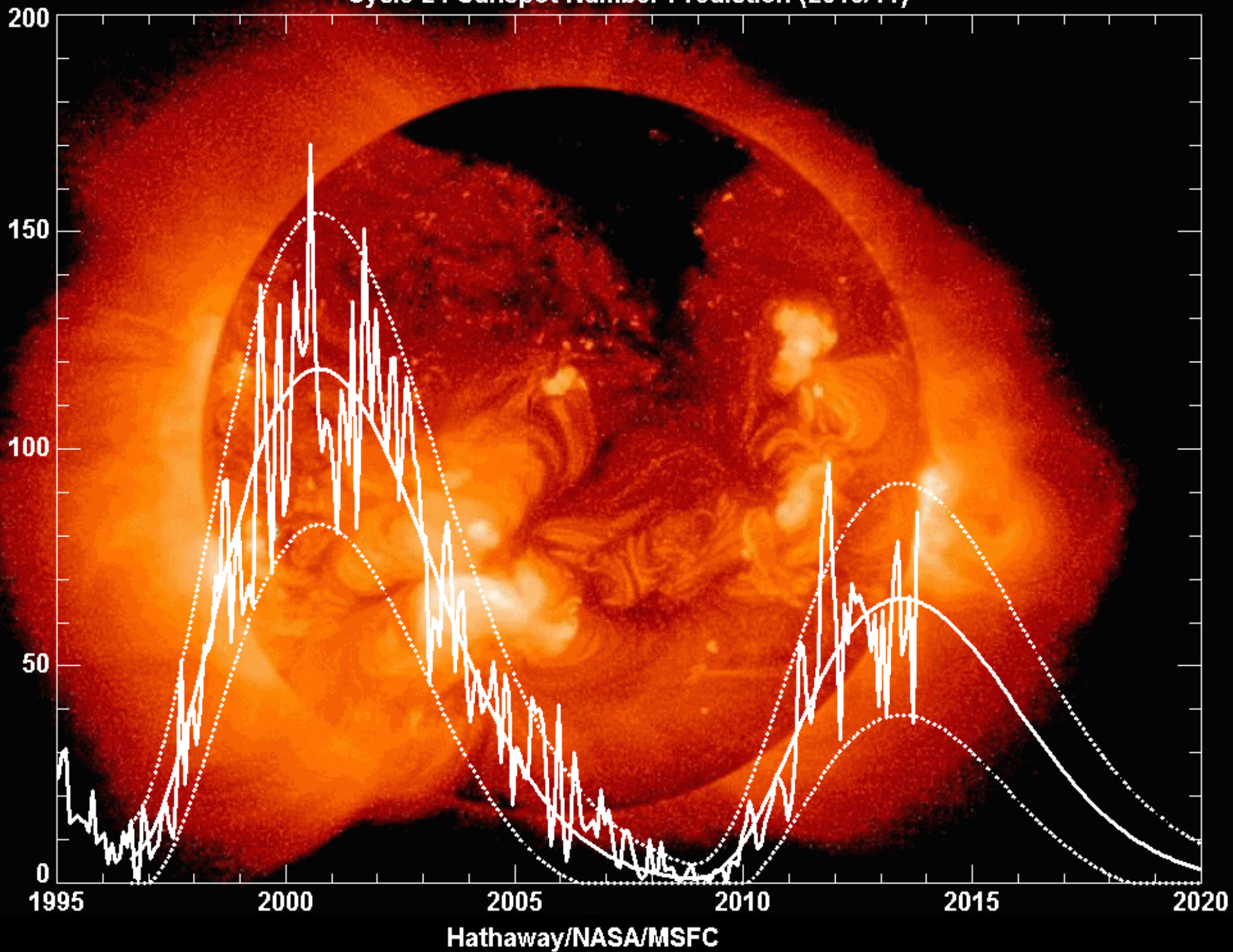
Photon Index 2 : 2.28

Flux@100 keV:

:6.76 10<sup>-4</sup> ph.cm<sup>-2</sup> s<sup>-1</sup> keV<sup>-1</sup>



# Cycle 24 Sunspot Number Prediction (2013/11)



Hathaway/NASA/MSFC