

SPI STATUS

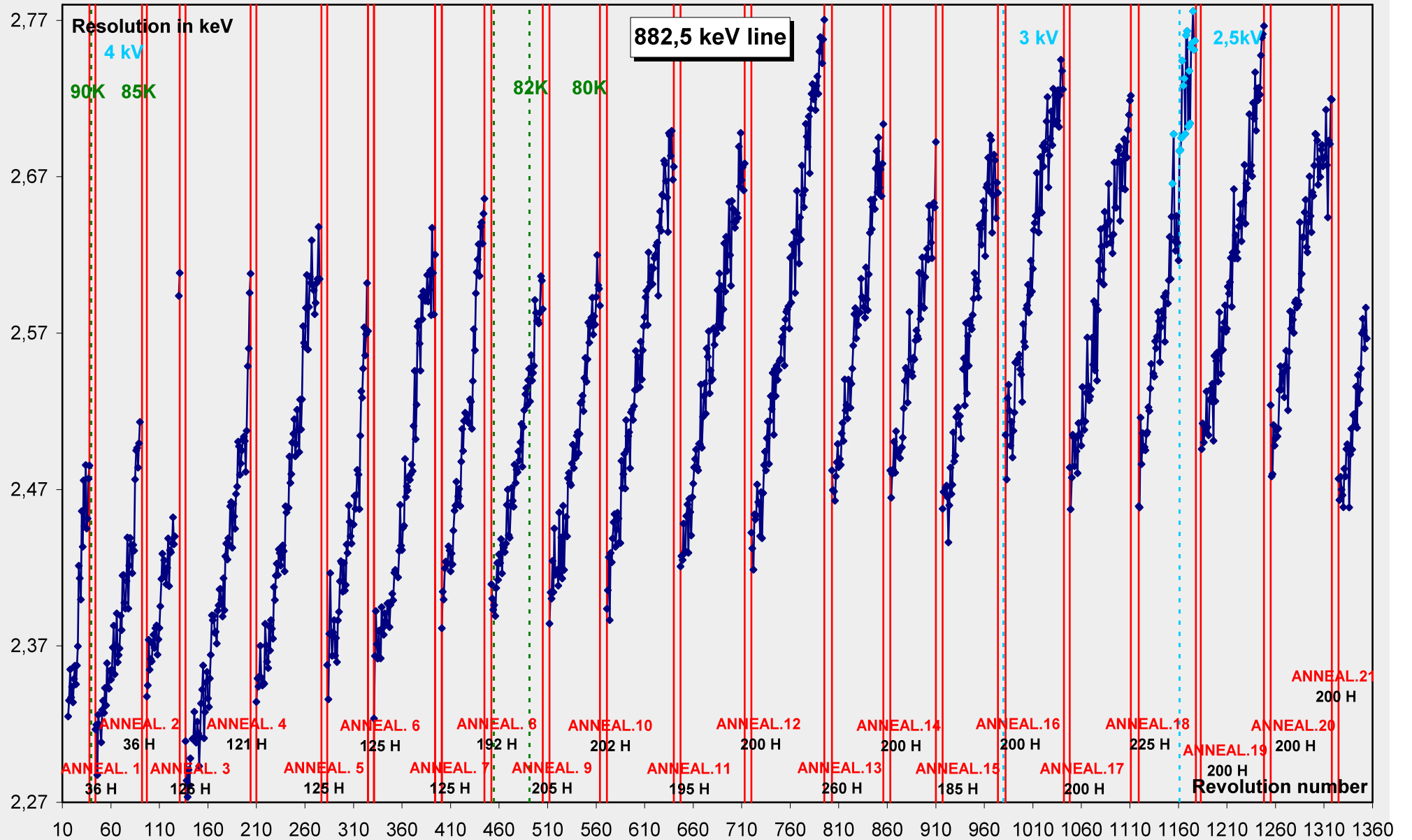
ANNEALING 21th

- Start: 2013, August, 1st
- Camera switch on : 2013, August 18th
- Smooth reactivation
- Very good recovery

- Tm gaps during switch-on and final cooling:
 - Could cause problems in case of anomaly ?

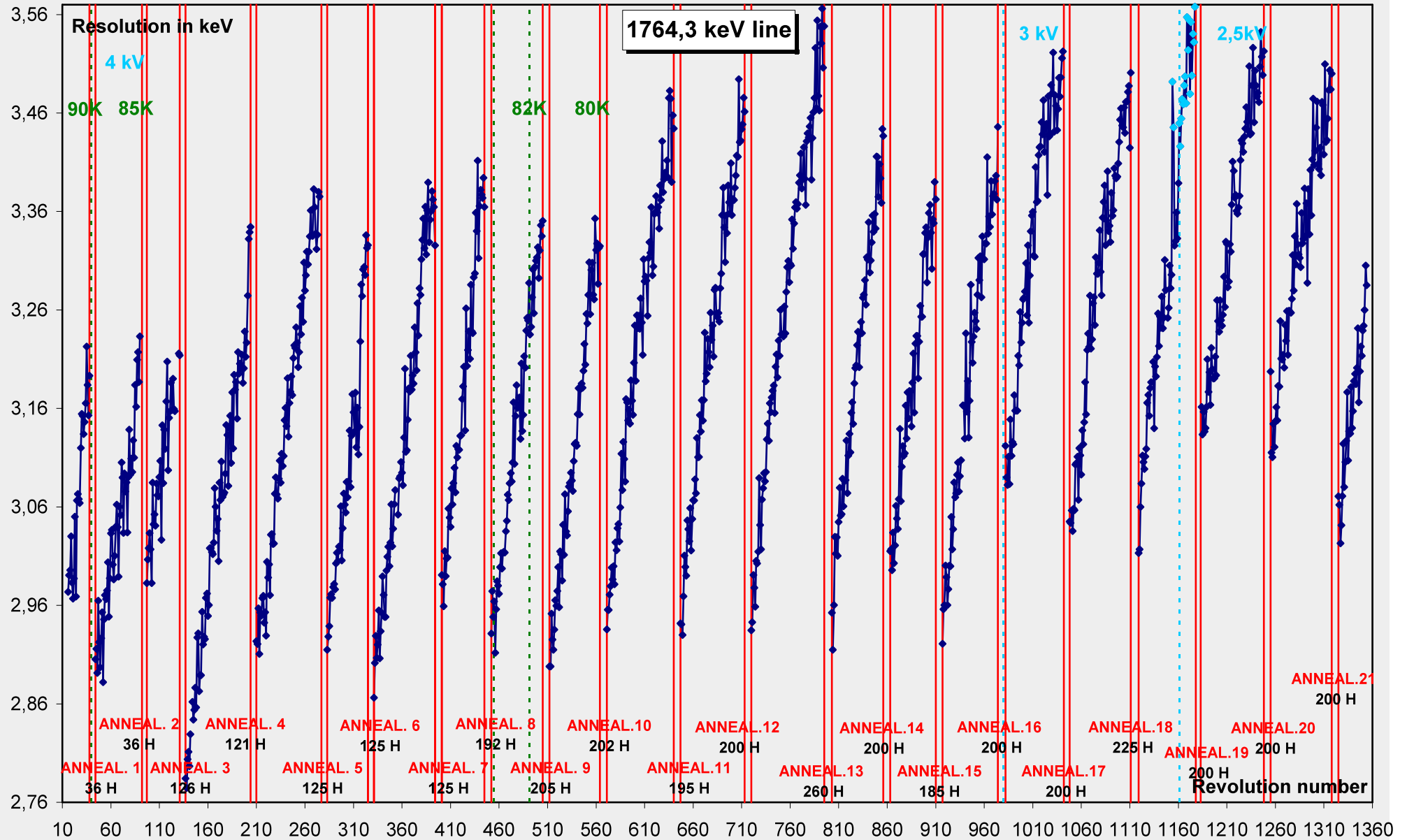
ENERGY RESOLUTION HISTORY: 882.5 keV

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



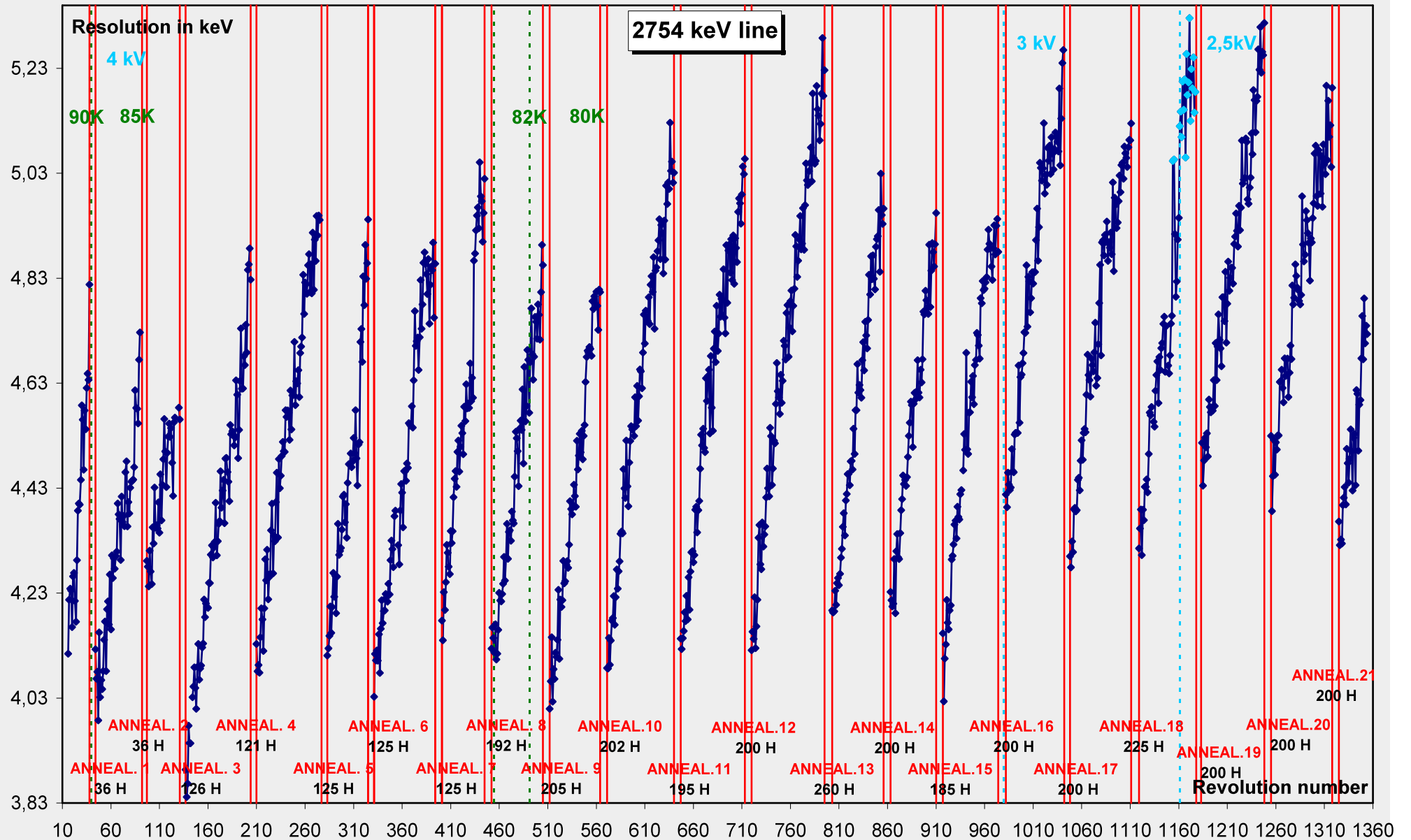
ENERGY RESOLUTION HISTORY: 1764.3 keV

- 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

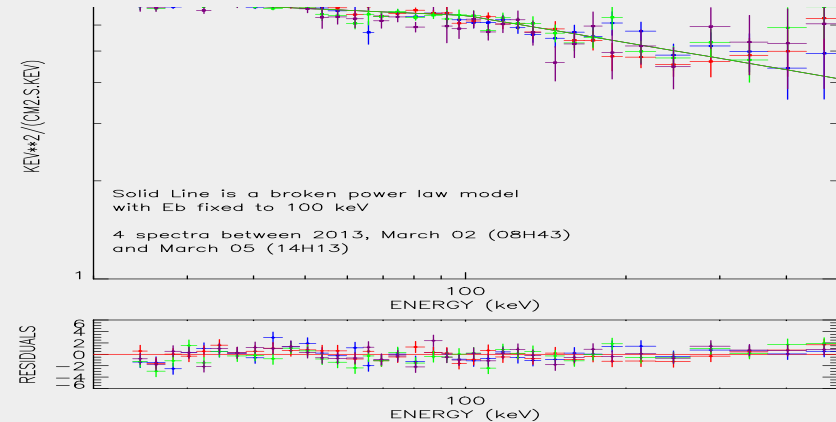
Rev 1269 ~ 10 scw

Photon Index 1 : 2.07

Break Energy (fixed) : 100 keV

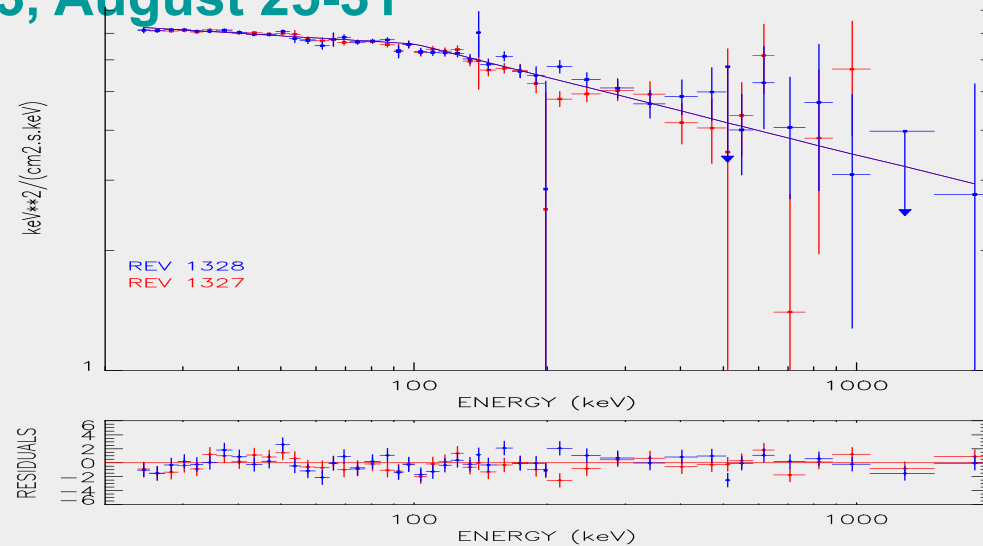
Photon Index 2 : 2.27

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



CRAB OBSERVATIONS REV 1327 – 1328

2013, August 25-31



Rev 1327 ~ 180 ks

Rev 1328 ~ 183 ks

Photon Index 1 : 2.07

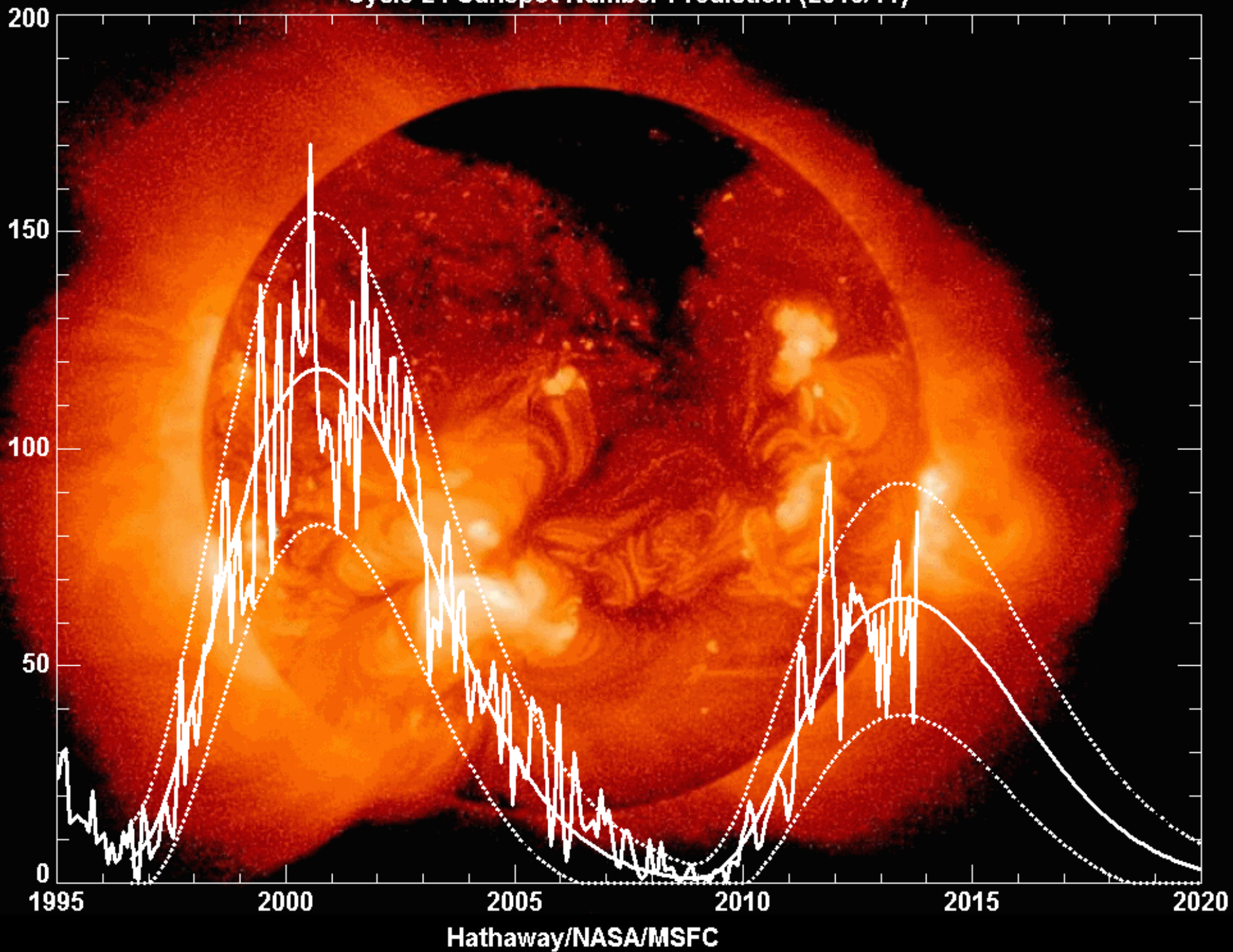
Break Energy (fixed) : 100 keV

Photon Index 2 : 2.28

Flux@100 keV:

:6.76 10⁻⁴ ph.cm⁻² s⁻¹ keV⁻¹

Cycle 24 Sunspot Number Prediction (2013/11)



Hathaway/NASA/MSFC