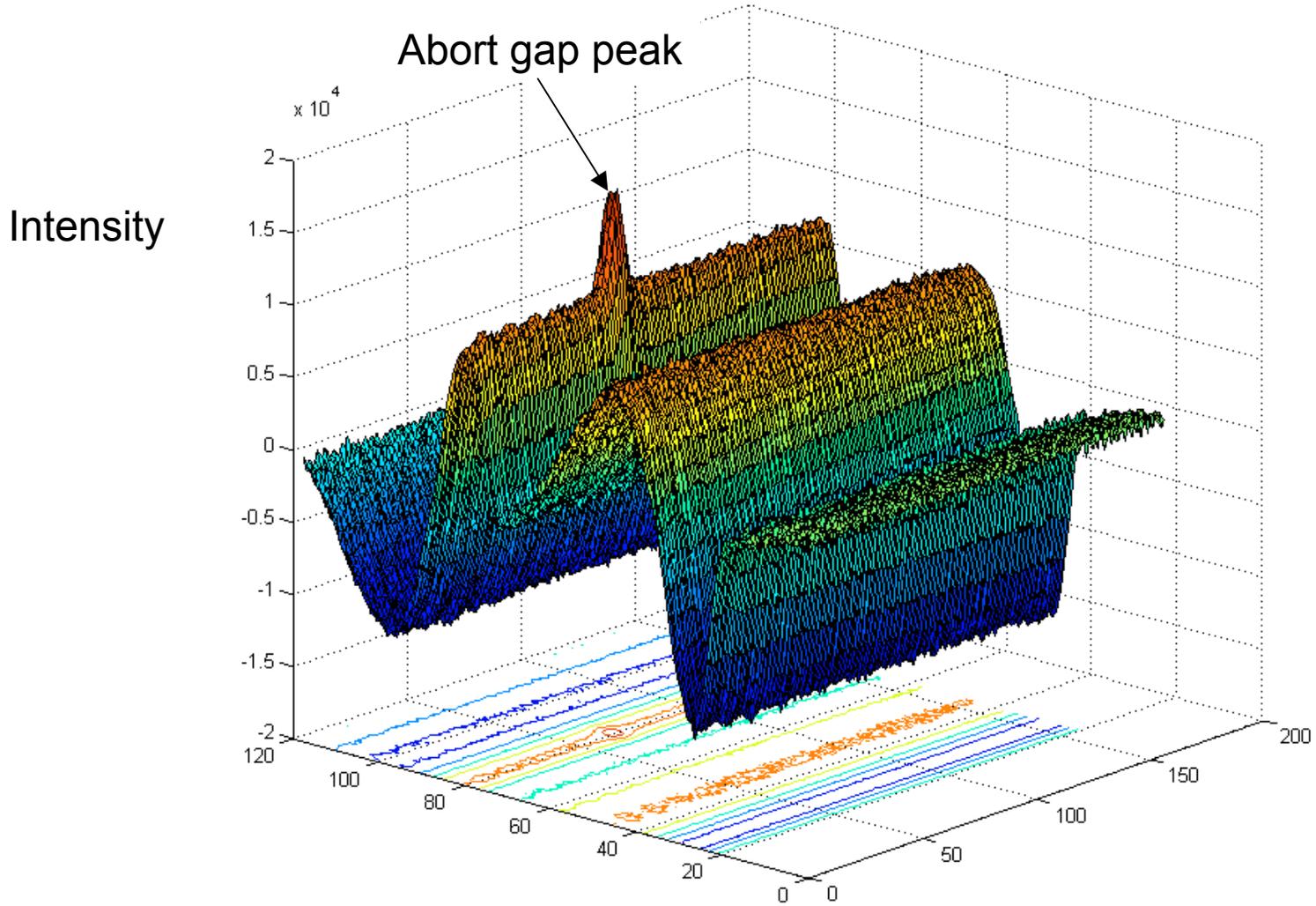


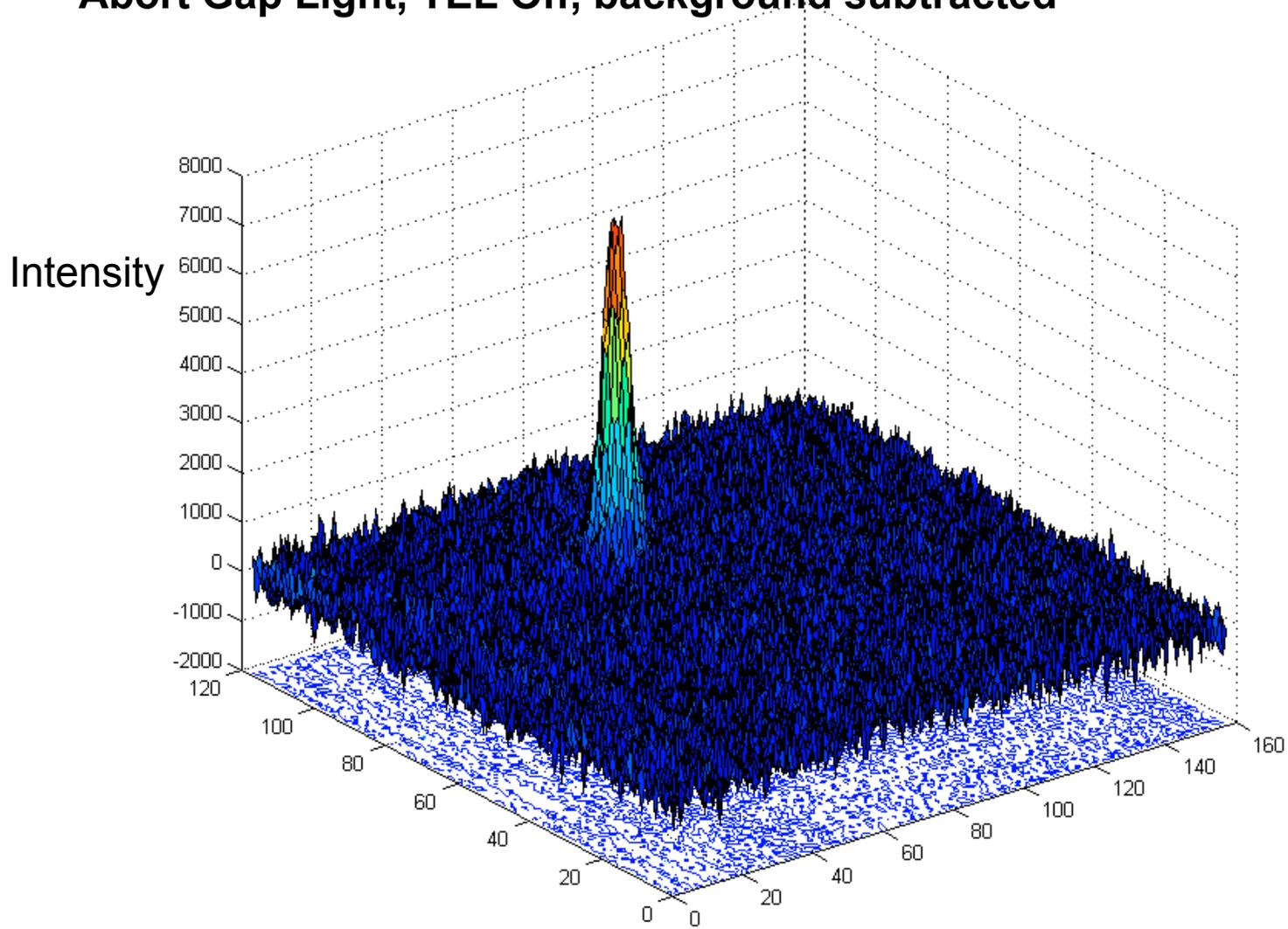
## **Abort Gap Light Measurement**

- Accumulate 200 frames each 33 ms (1 abort gap, every 3<sup>rd</sup> turn)
- Take the raw 480x640 data and convert to 120x160 by summing 4x4 pixels
- Subtract background by fitting a line to the 10 points at each end of horizontal row and subtracting the line from the data for each row

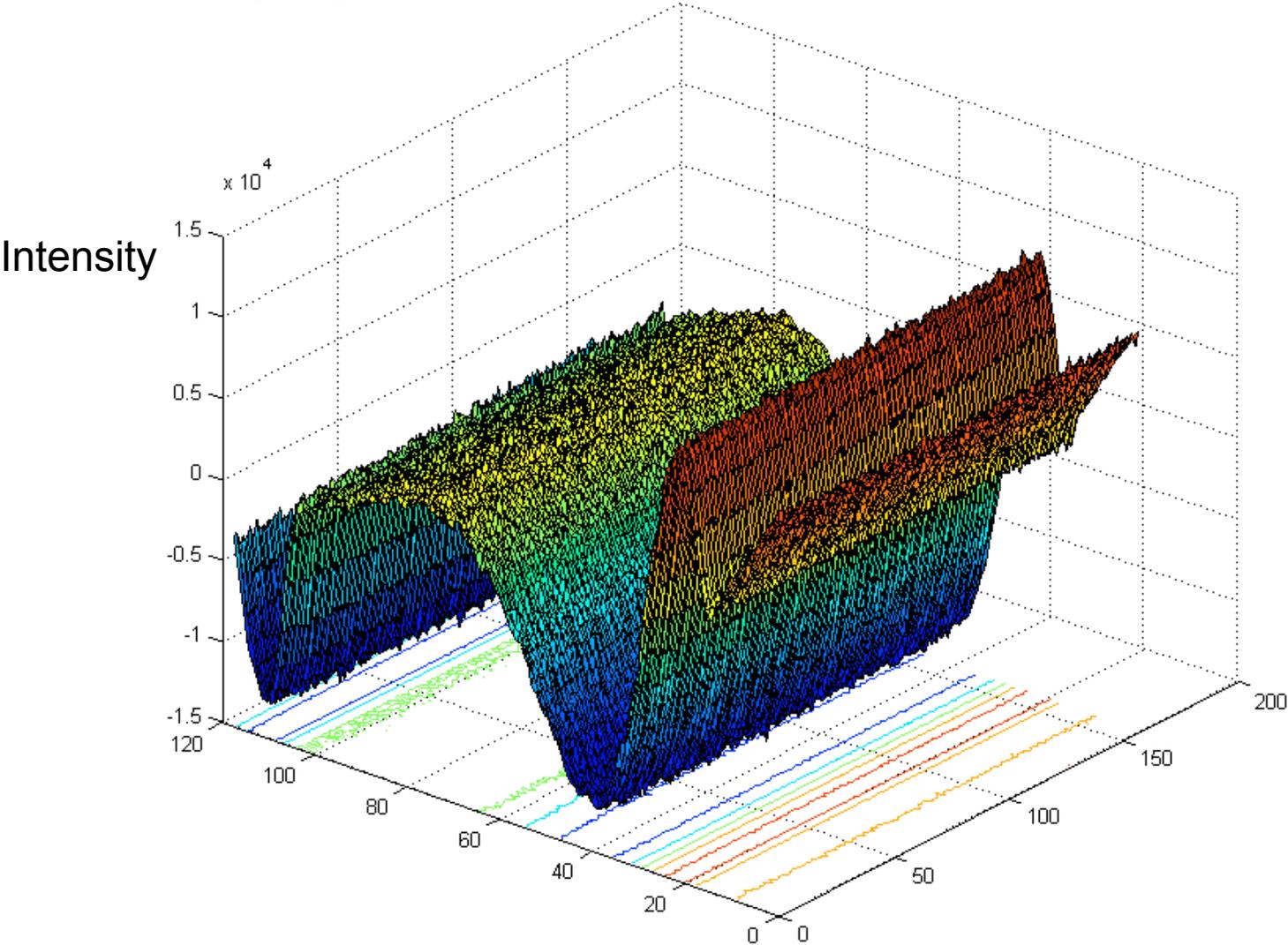
# Abort Gap Light, TEL Off



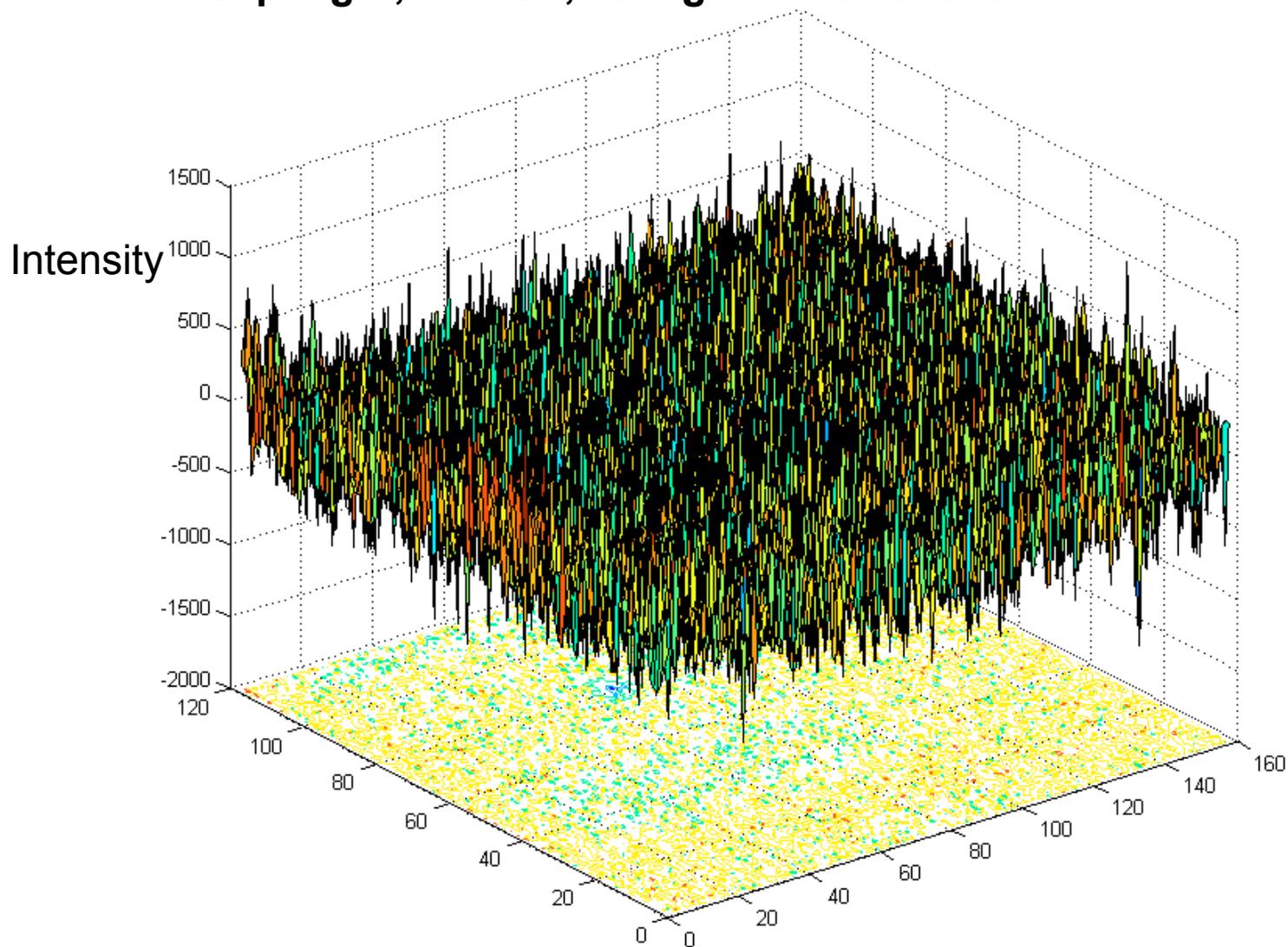
# Abort Gap Light, TEL Off, background subtracted

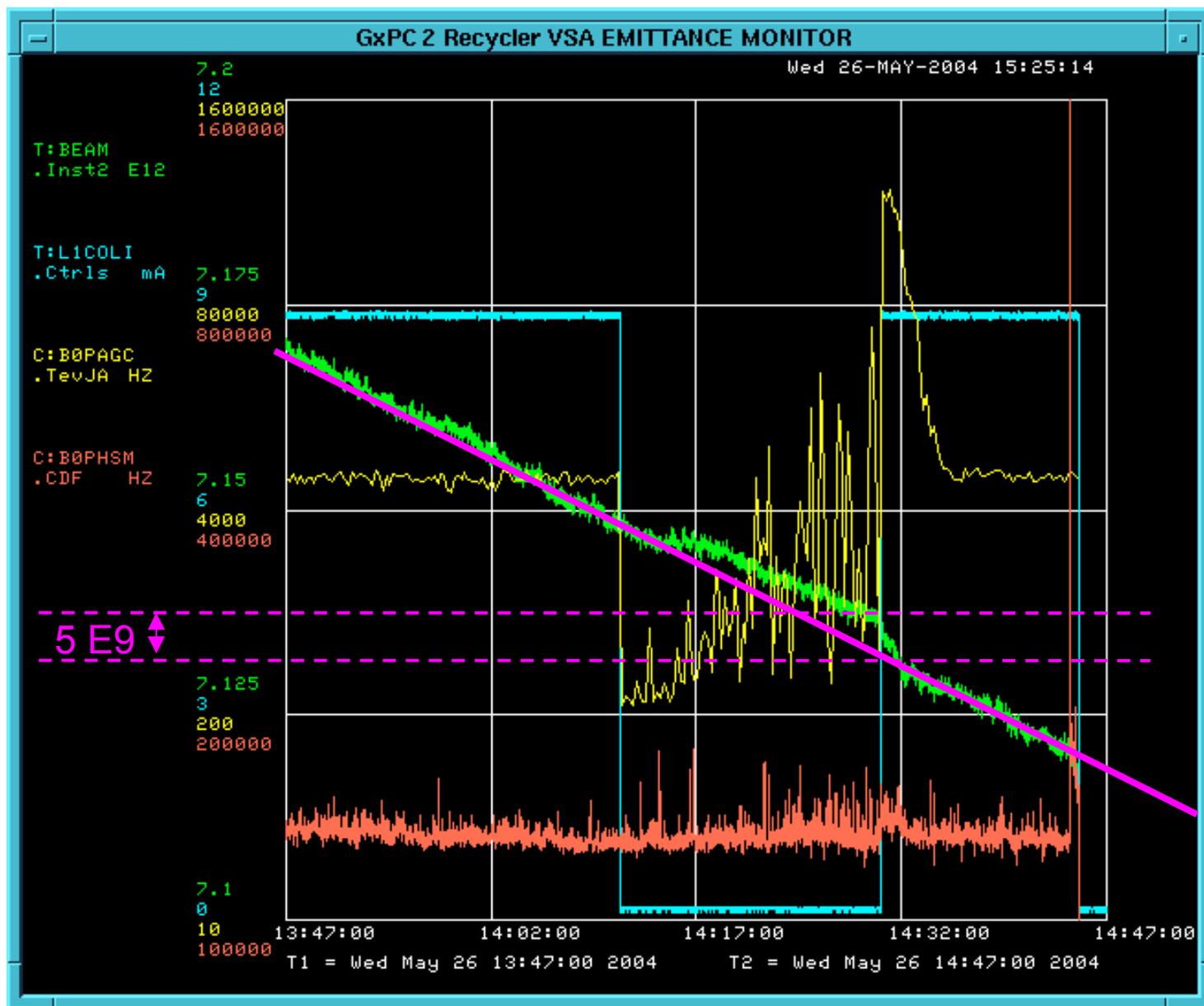


# Abort Gap Light, TEL On



# Abort Gap Light, TEL On, background subtracted





TEL On -> TEL Off

- 5 E9 particles removed
  - > ~5 E8 in single abort gap (If uniformly distributed around ring)
- If require S/N > 2, Synclite can detect anything over 7 E7 in single abort gap