

X-ray summary of TeslaSC assemblies:

20210120310704 + 0611A (wafer SXB0LT) 8-good columns

20210120310705 + 0602A (wafer SXB0LT) 8-good columns

20210120310706 + 0611B (wafer SXB0LT) 9-good columns

Summary: bumping/flipping good and uniform on 704 and 705. In 706 1 defect on 06011B (already present at bumping) shorting 6 bumps (fig.1Bot) and possible shorts at the beginning of columns 9-10 and 11-12 (fig. 2EoC).

L.Rossi, A. Rovani, E. Ruscino

26/4/02

EoC logic here

1EoC
(col 0-6)

2EoC
(col 7-14)

3EoC
(col 15-17)

1Bot

2Bot

3Bot

20210120310704 + 06011A (wafer SXB0LT)

1EoC

20210120310704 + 06011A (wafer SXB0LT)

2EoC

20210120310704 + 06011A (wafer SXB0LT)

3EoC

20210120310704 + 06011A (wafer SXB0LT)

1Bot

20210120310704 + 06011A (wafer SXB0LT)

2Bot



20210120310704 + 06011A (wafer SXB0LT)

3Bot

20210120310705 + 0602A (wafer SXB0LT)

1EoC

20210120310705 + 0602A (wafer SXB0LT)

2EoC

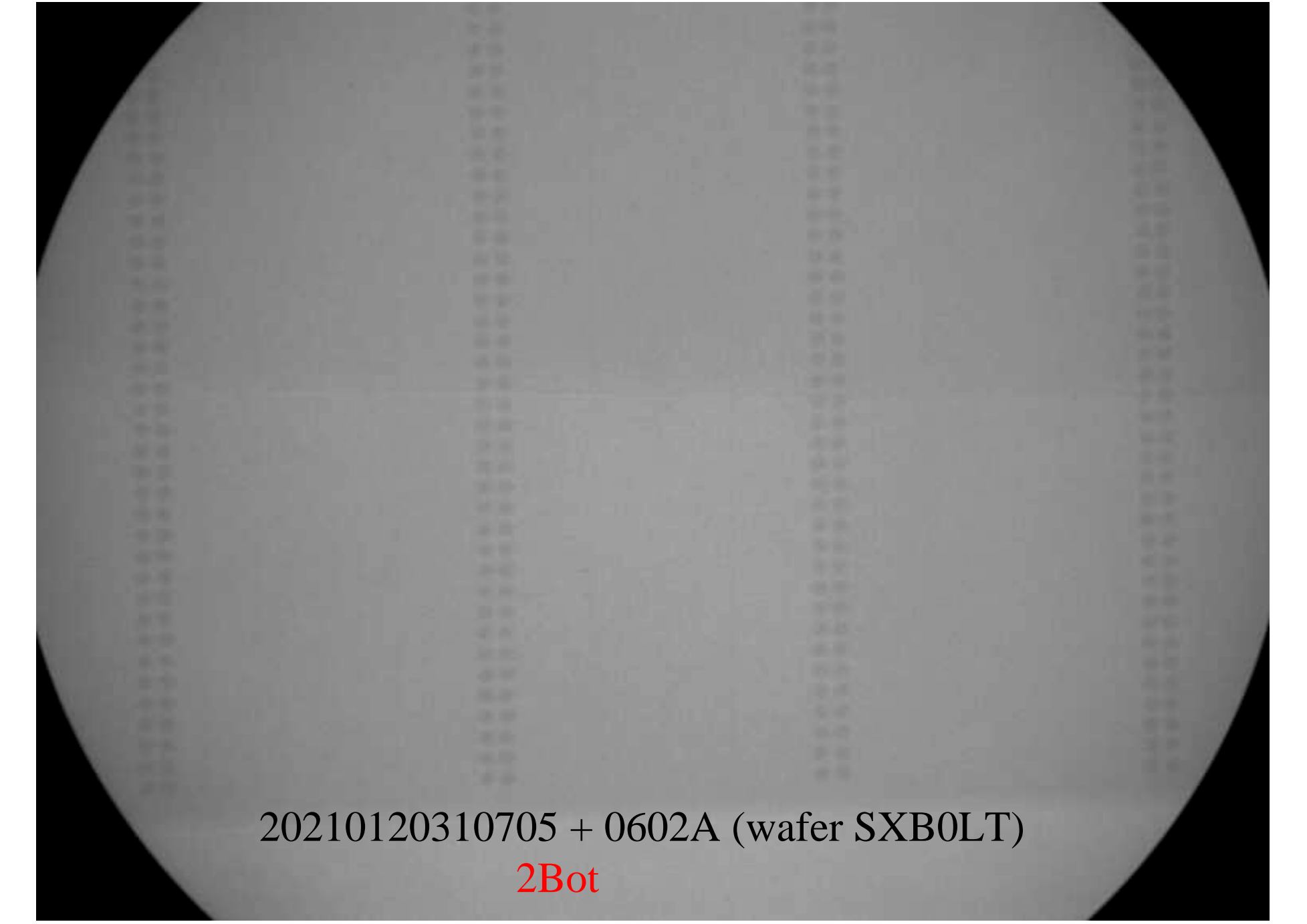
20210120310705 + 0602A (wafer SXB0LT)

3EoC

A circular micrograph showing a grid of small, repeating features on a wafer. The features are arranged in vertical columns and are separated by larger gaps. The overall appearance is that of a periodic structure, possibly a photonic crystal or a similar micro-fabricated device. The image is in grayscale and has a slightly grainy texture.

20210120310705 + 0602A (wafer SXB0LT)

1Bot

A circular micrograph showing a grid pattern of small, dark, rectangular features arranged in a regular, repeating pattern across the entire field of view. The grid is composed of vertical and horizontal lines of these small features, creating a mesh-like appearance. The background is a light gray color.

20210120310705 + 0602A (wafer SXB0LT)

2Bot

20210120310705 + 0602A (wafer SXB0LT)

3Bot

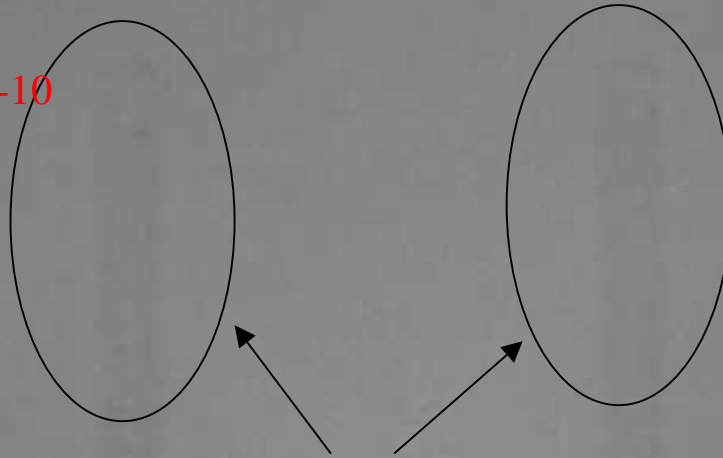
20210120310706 + 06011B (wafer SXB0LT)

1EoC

20210120310706 + 06011B (wafer SXB0LT)

2EoC

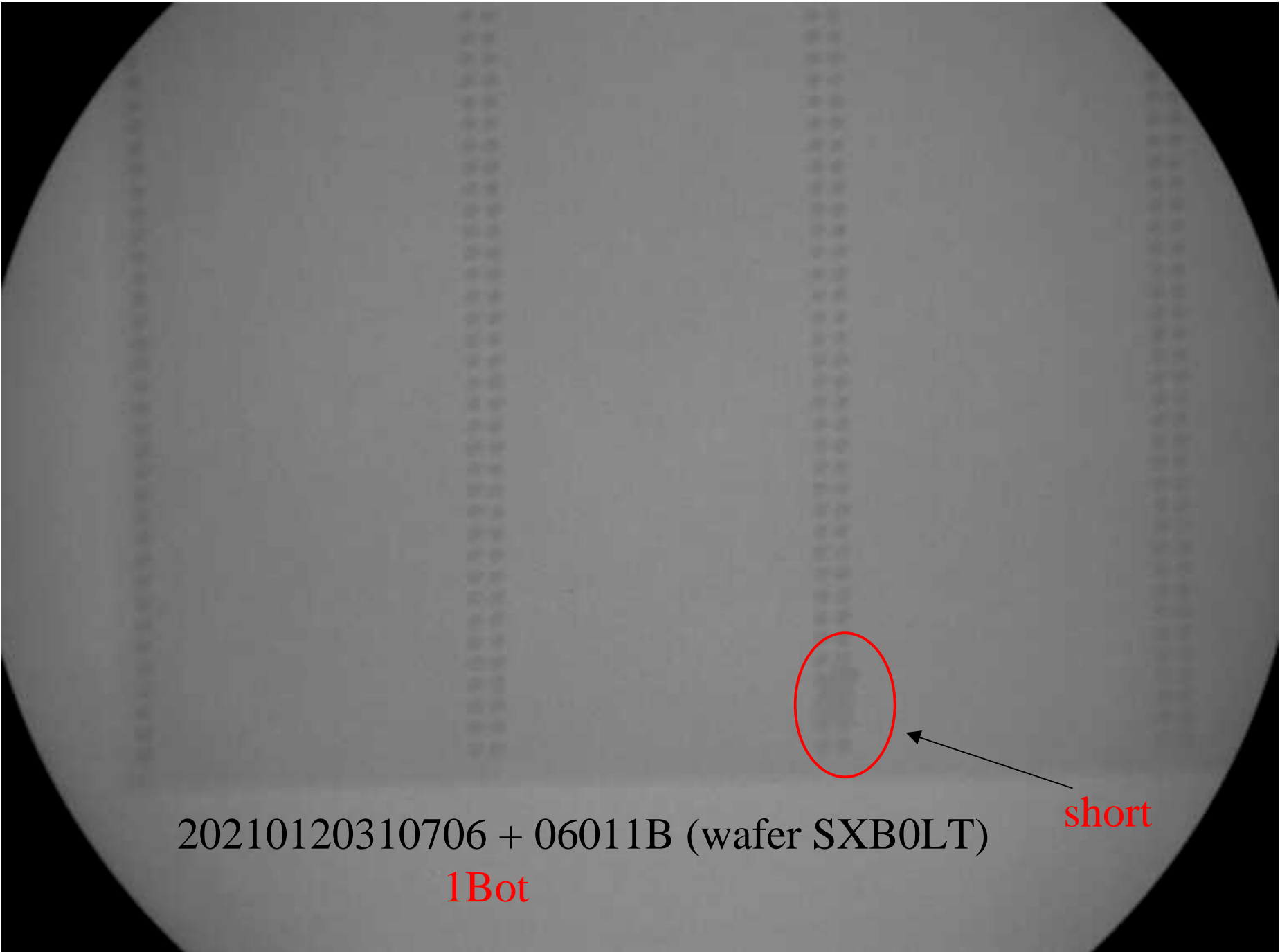
Col 9-10



Possible shorts

20210120310706 + 06011B (wafer SXB0LT)

3EoC



20210120310706 + 06011B (wafer SXB0LT)

1Bot

short

20210120310706 + 06011B (wafer SXB0LT)

2Bot

20210120310706 + 06011B (wafer SXB0LT)

3Bot