# **GLAST SSD mechanical measurements**

### Instruments and methods:

15cm X 30cm micrometric computer assisted table with 5 $\mu$ m resolution over the whole range Microscope with a computerized CCD camera with 768 X 576 pixels pixel size = 0.64 $\mu$ m view area = 500  $\mu$ m X 370  $\mu$ m

Dimensional check: distance from strip 1 to strip 384Nominal distance=  $87324 \ \mu m$ Measured distance=  $87329 \pm 5 \ \mu m$ Measured pitch=  $228.01 \pm 0.01 \ \mu m$ 

Review of the GLAST SSD Specifications, Jan. 30, 2001 Mechanical measurements: A.Brez

## **DICING MEASUREMENTS**



b

### **STATISTICS OF THE DICING ERRORS**



Front cut orthogonal to the strips

Side cut parallel to the strips



## WAFER THICKNESS

(10µm sensitivity measurement)





A moderate bending (<10µm) has been measured on a wafer