

Opto-board Production Status

- 12 pre-production BeO opto-boards:
 - ★ 2 destroyed
 - ★ 3 in various stage of completion
 - ★ 7 passed QA after burn-in and thermal cycle
 - ◆ low PIN current thresholds for no bit errors ($< 20 \mu\text{A}$ vs $40 \mu\text{A}$ spec)
 - ◆ high optical power ($> 1000 \mu\text{W}$ vs $500 \mu\text{W}$ spec)
 - ⇒ opto-board design is sound

- Yield: $5/9 = 56\%$ if no chip/opto-pack removal allowed

- Plan:
 - ★ immediately order 150 blank BeO boards and 150 more 80-pin connectors due to long lead time
 - ★ approve by Pixel collaboration for CPT to start fabrication in July?
 - ⇒ CPT delivers opto-boards in August?
 - ⇒ complete opto-board production 9 months later?