

ATLAS ITk States Update

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ATLAS ITk Process

❖ Wire bonding

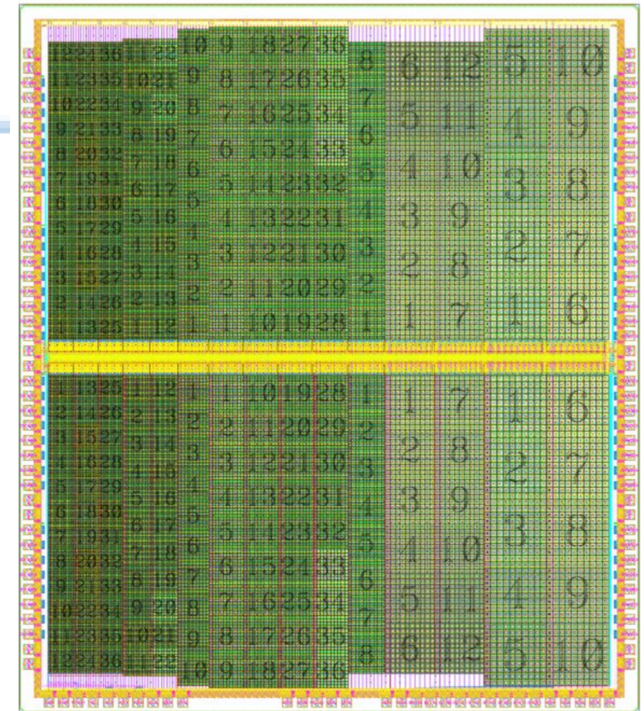
- test three hybrid: OK, means the new hybrid program work.
- finish SS13, SS14 power board gluing
- finish SS13, SS14 power board bonding
- next step:
 - test SS13, SS14
 - assembly SS15

❖ Pull test machine investigation

- decisive version: XYZTEC Condor Sigma Lite
(details in backup)
-

TCT Test in Oxford

- ❖ INVESTIGATOR1 without radiation
 - adjust laser focus position
 - analysis the data on the way
 - next step:
 - scan the 3-pixel with different designs



Others

- ❖ Give up the application of post-doc foundation in Sep 2018
 - ❖ plan to apply next time
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Plan for September

ATLAS

1. Module production

- SS13(wait for powerboard) ready for stave
- SS14(wait for powerboard) ready for stave
- SS15(wait for assembly) ready for stave

2. Cleanroom

- list the purchase items for new cleanroom
- pull tester investigation
- slim wedge

3. 2x2 jig

- design a new one after the release of new frame
- electric test with 2x2 jig

RD50

1. finish Investigator1 test (without radiation) using TCT system in oxford
2. script for focus adjustment and scan image

Thank you !

Back up_ Investigation of Pull tester

| 型号 | 普通配件 | 货期与售后 | 价格 | 拍照 |
|--------------------------|----------------------|-------------|------------------------|--|
| XYZTEC Condor Sigma Lite | pull 100g | 3个月 售后北京 | 通常配置两三个普通配件，总价约7-8万美金。 | 长与宽：手动用鼠标即可测量； 3D高度不好测； 有非破坏性拉力测试。 |
| DAGE 4000 Plus | P100G (拉力) 250g推力 | 16周 售后北京 | 配置一个测试头+拍摄功能：8万美金以下 | 通过相机测loop height， 也可以测水平距离 |
| DAGE 4000 | wp100 , bs250 | | 5万美金 | 不含视频采集，完全依靠软件配合钩针运动测loop height |
| TRY MFM1200 | | 8-12周 | 5万美金 | |
| TRY MFM2000 (全自动) | | 8-12周 | 9.9万美金 | 含视频采集 依靠软件测高度 |