ATLAS Barrel Alignment
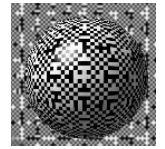
Hardware Setup (1)

Cavern

USA15

RasCam

RasMux

MasterMux

TopMux

± 5800

± 600

48

8
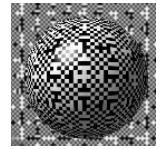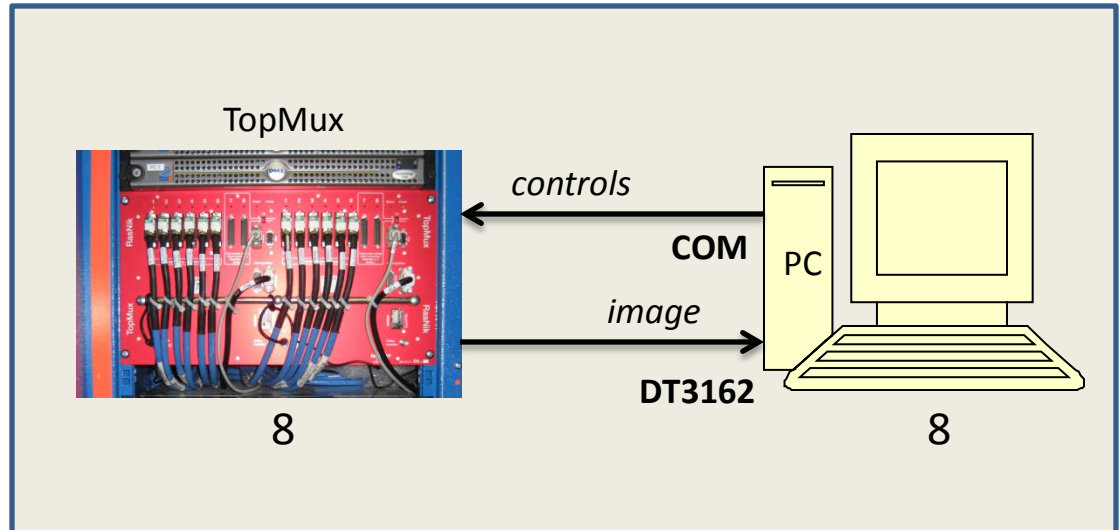
RasLed
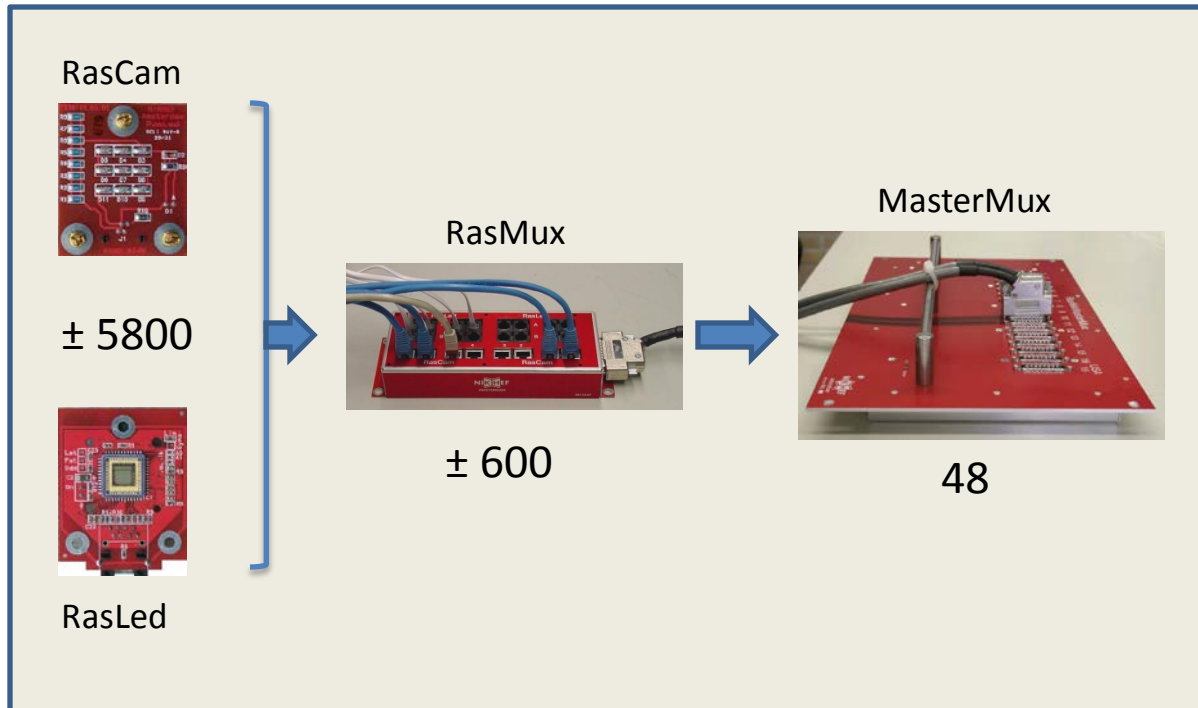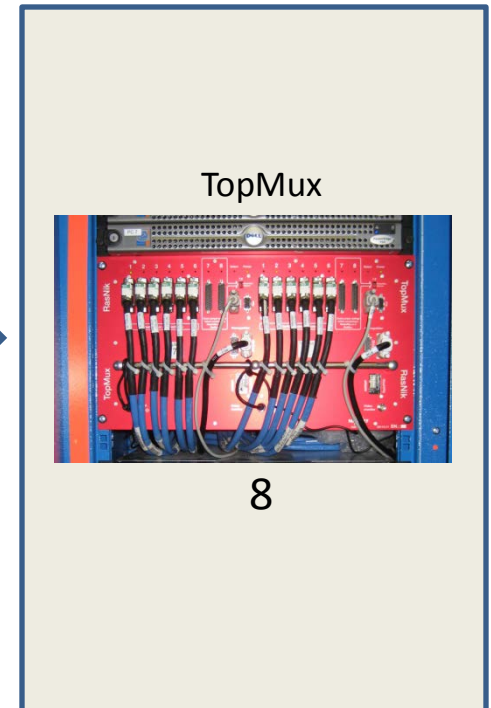
ATLAS Barrel Alignment
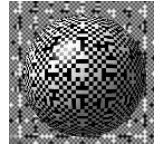
Hardware Setup (2)

December 5 2005

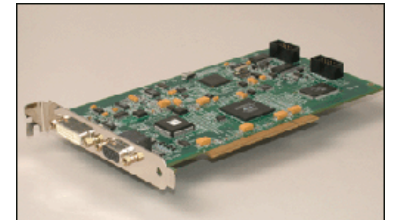Rack: Y.28-19.A1

ATLAS Barrel Alignment
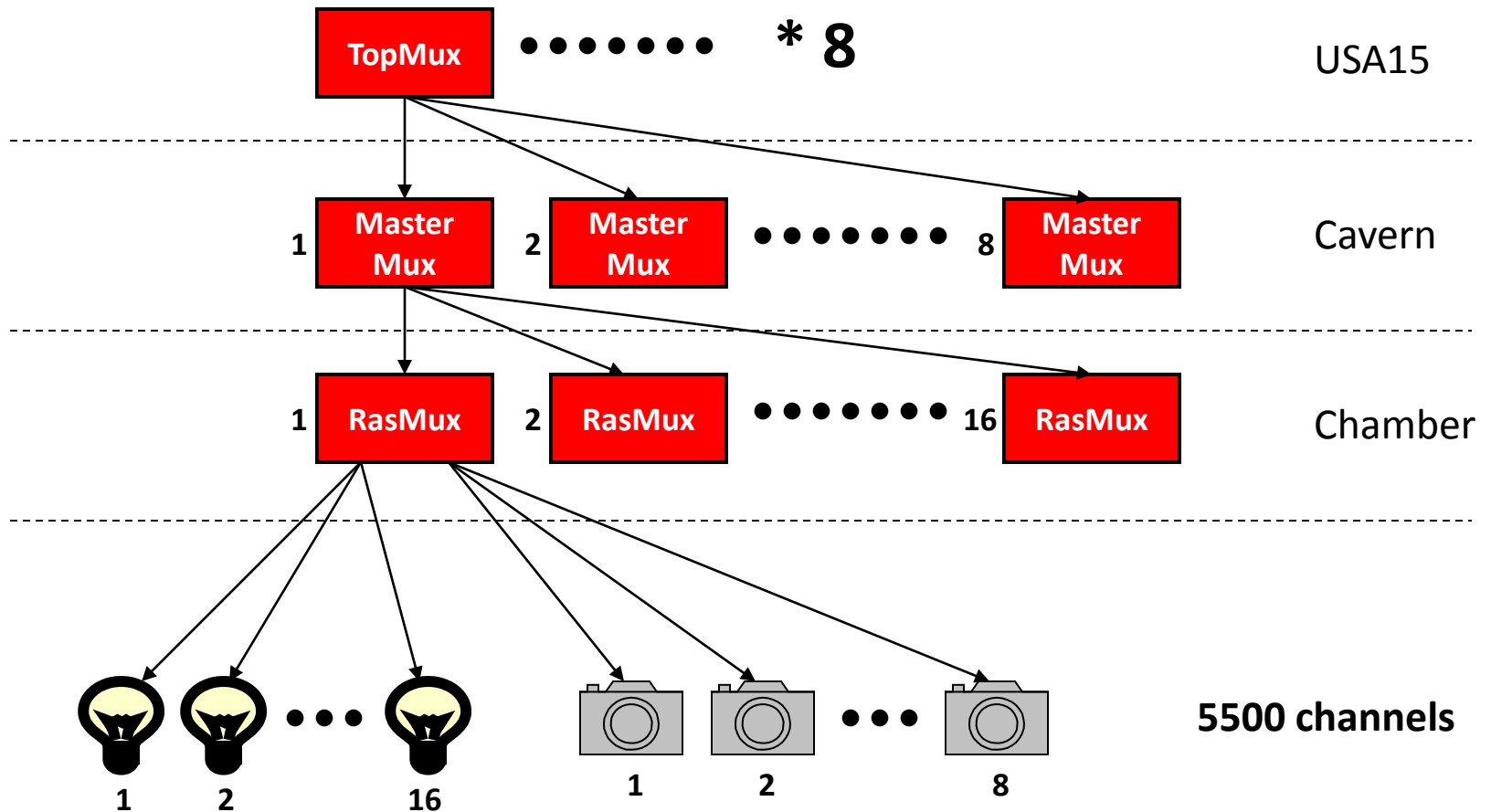
Critical components

PC: **Dell PE750**

- Rack mountable, 1U
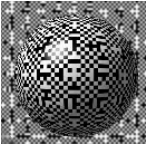- 3.2 GHz, 1 GB RAM, 80 GB harddisk
- Windows XP
- PCI-bus: 5 Volt
- 8 PCs operational since Dec 2005 ⭐
- Spares: 4
- Enough fans and disks

Frame-grabber: **DT3162**

- Manufacturer: Data Translation
- technically the perfect grabber
- DT: stopped frame-grabber production
- driver not supported anymore (up to WXP) ⭐
- PCI device: 5 Volt ⭐
- no alternatives (frame-grabber market vanished)
- Spares: 10

Multiplexing Scheme

USA15

Cavern

Chamber

5500 channels

Rasdim

PVSS

DIM

Analyse channel **Result**

Rasdim

1. switch

2. status

3. grab

4. image

5. image

6. result

TopMux

DT3162

dll

Analyse

NB: Server runs on PC with frame-grabber and MUX.