

# SiPixelQuality Updates

v32/v33

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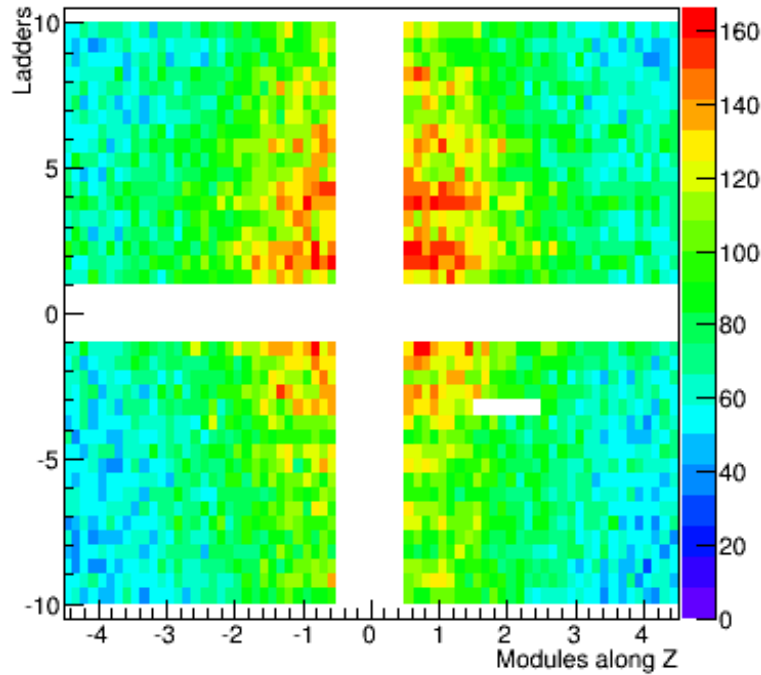
# SiPixelQuality\_v32

BpO\_Sec7\_Lyr2\_Ldr13F\_Mod3 TBM-B part was disabled  
<http://cmsonline.cern.ch/cms-elog/919300>

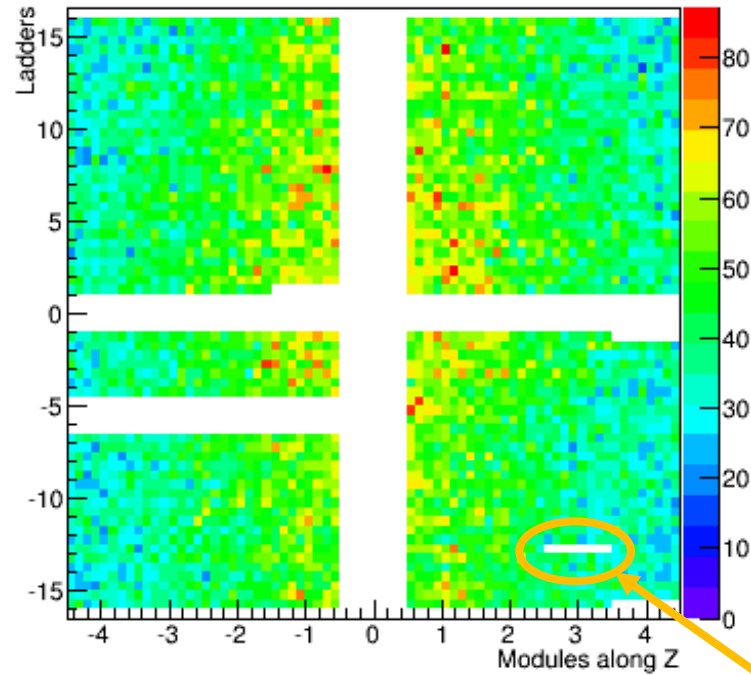
New bad module payload was created  
Internal validation was done using occupancy plots

# SiPixelQuality\_v32

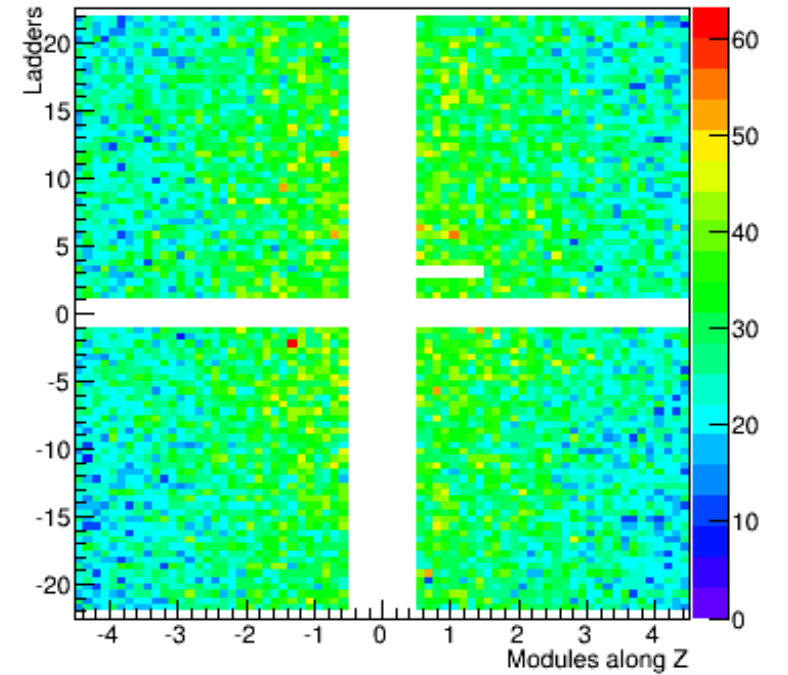
Layer 1



Layer 2



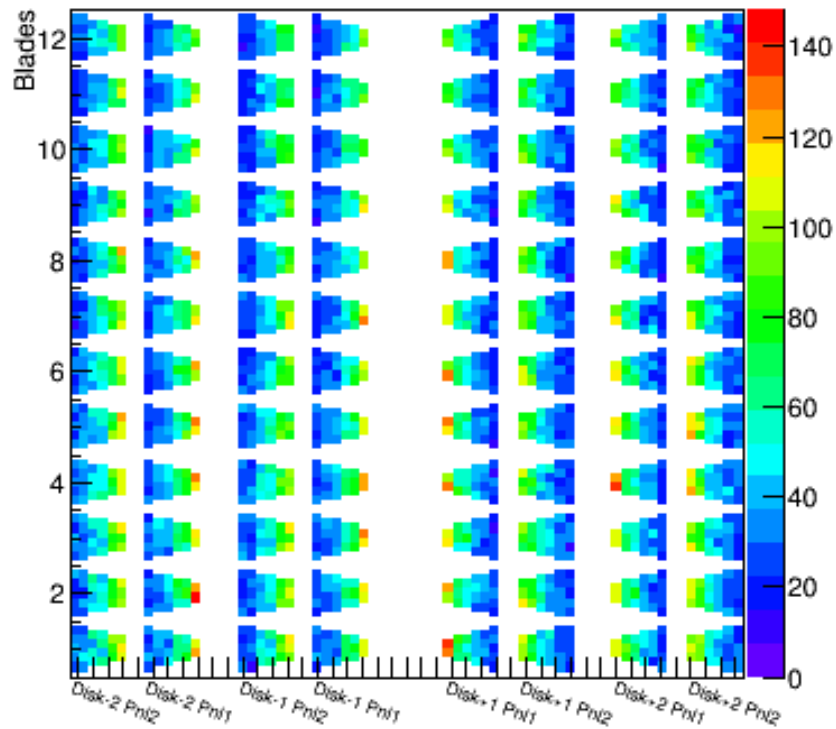
Layer 3



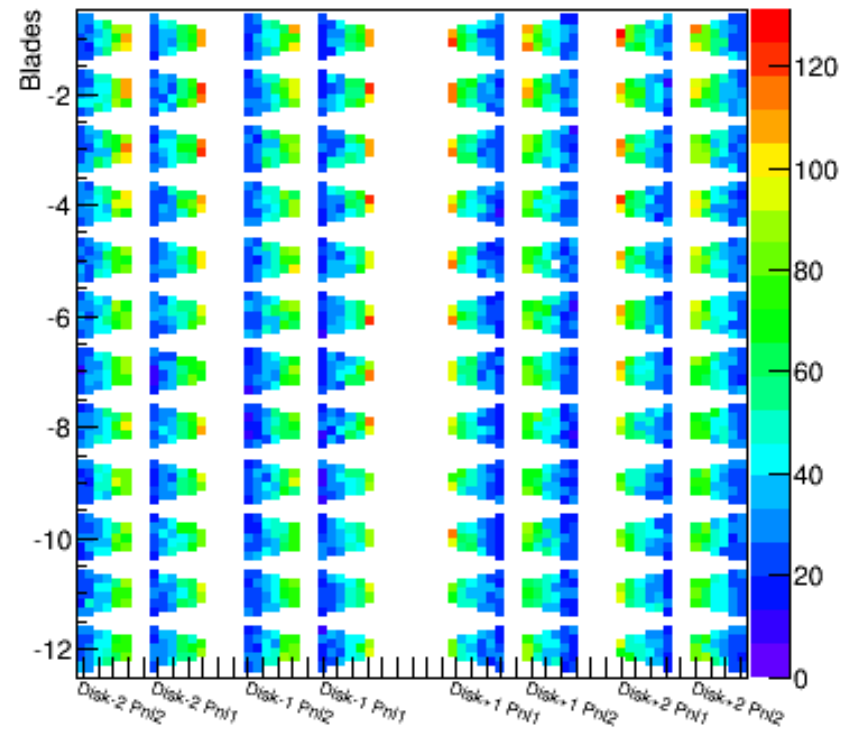
New bad half-module

# SiPixelQuality\_v32

FPIX Inner Shells (+x)



FPIX Outer Shells (-X)



No change  
in the FPIX

# SiPixelQuality\_v32

Green light from the AlCaDB was asked and permission to upload was granted

<https://hypernews.cern.ch/HyperNews/CMS/get/calibrations/2348.html>

New IOV in *SiPixelQuality\_v03\_dup\_hlt* from  
Runs 272942 – 273422  
Added on 2016-05-10

SiPixelQuality\_v33

# SiPixelQuality\_v33

BmO\_Sec7\_Lyr2\_Ldr13F\_Mod3 TBM-A part was disabled

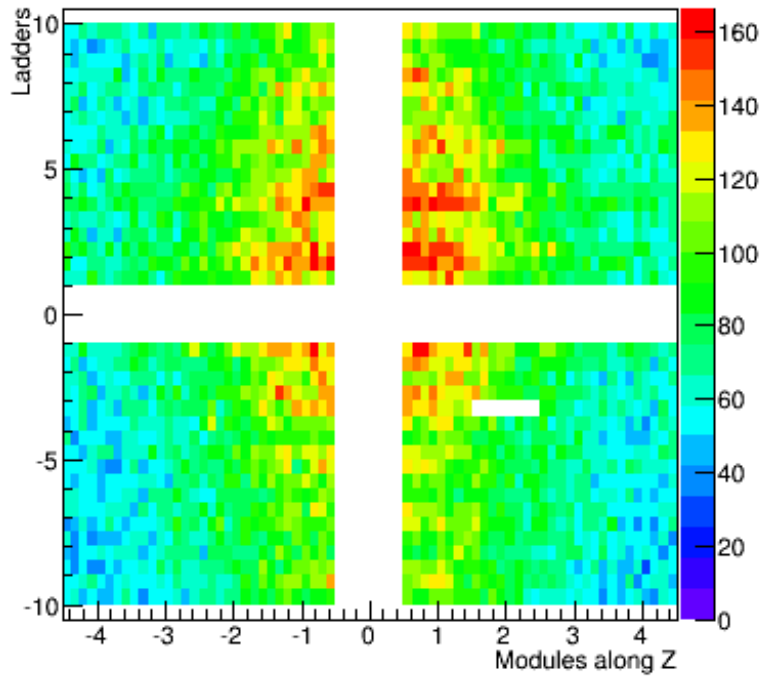
<http://cmsonline.cern.ch/cms-eelog/920652>

New bad module payload was created

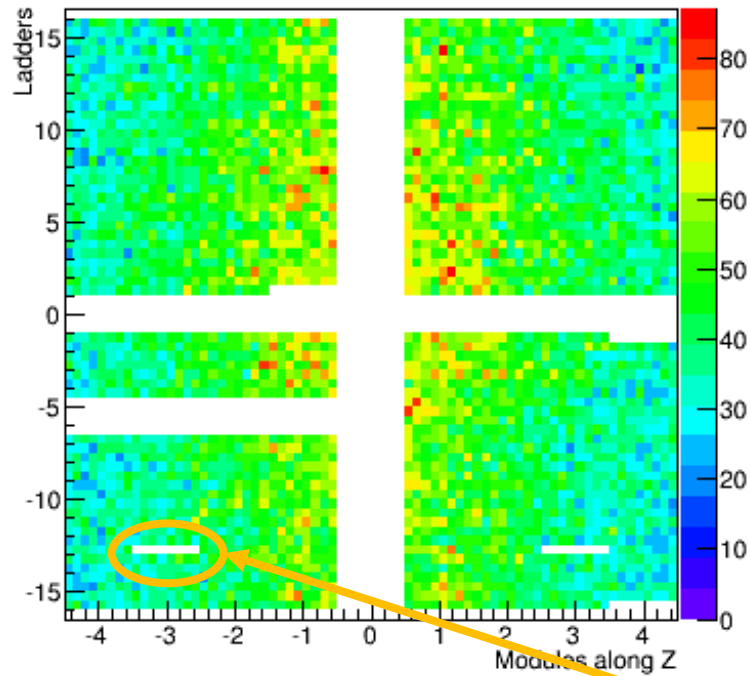
Internal validation was done using occupancy plots

# SiPixelQuality\_v33

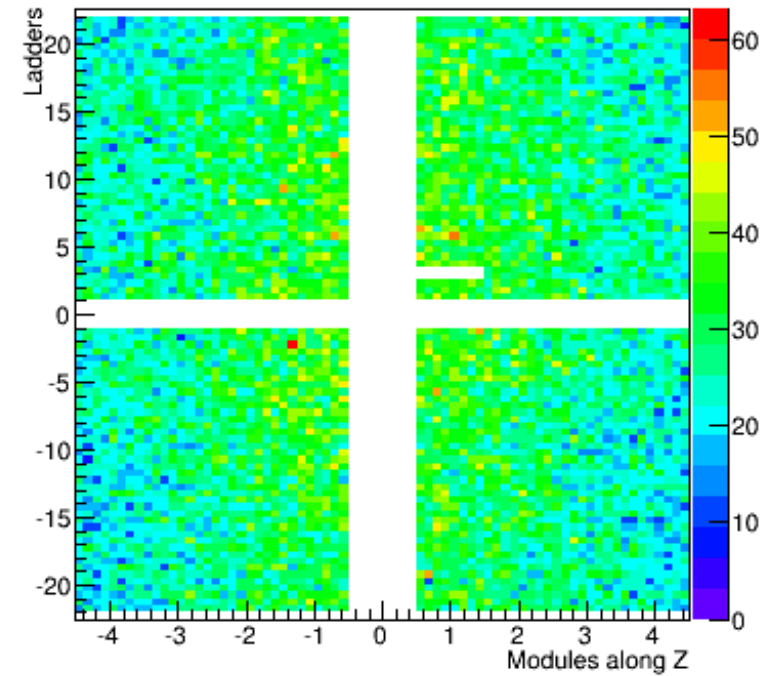
Layer 1



Layer 2



Layer 3

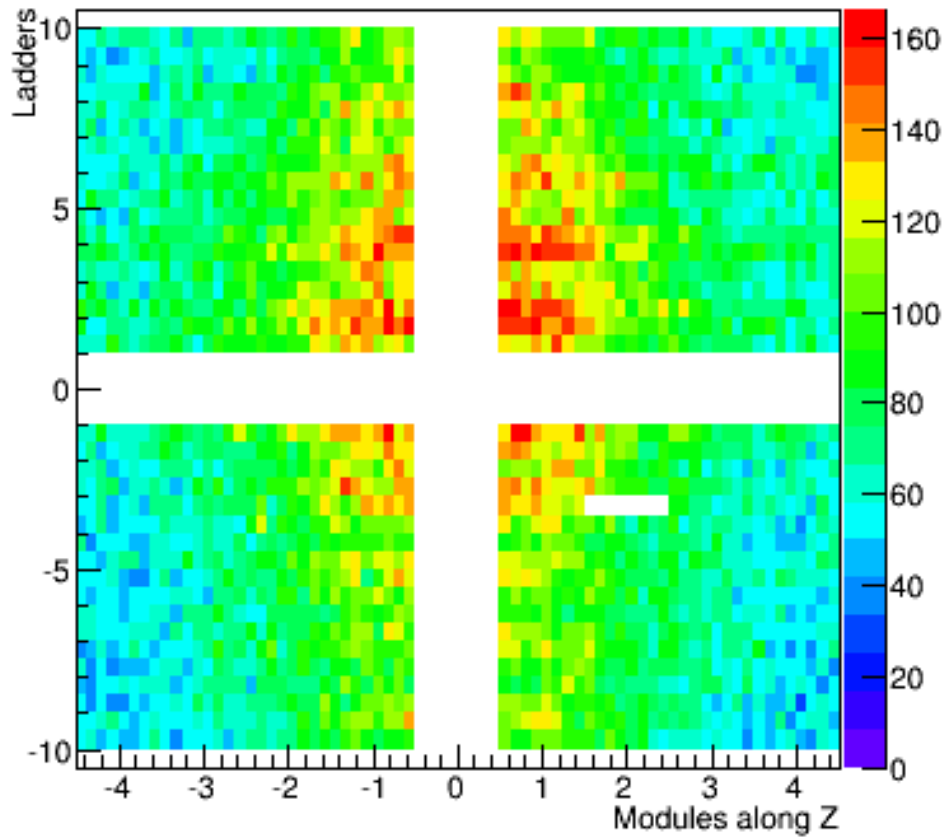


New bad half-module



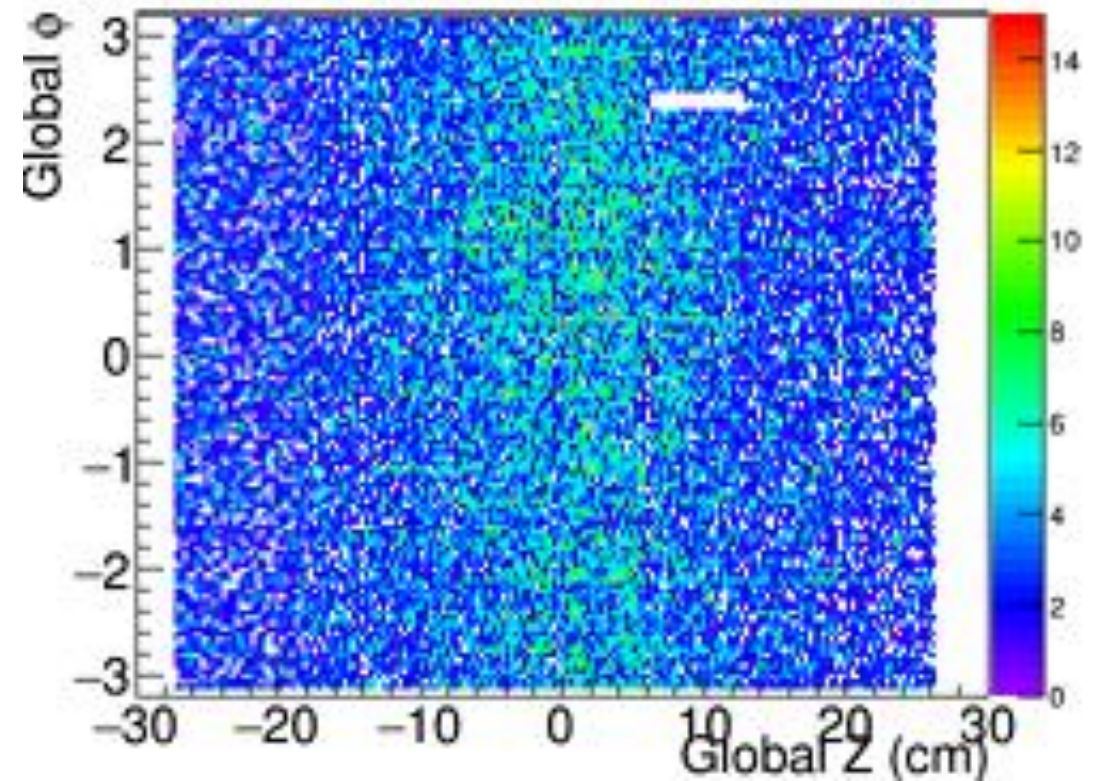
# SiPixelQuality\_v33

Layer 1



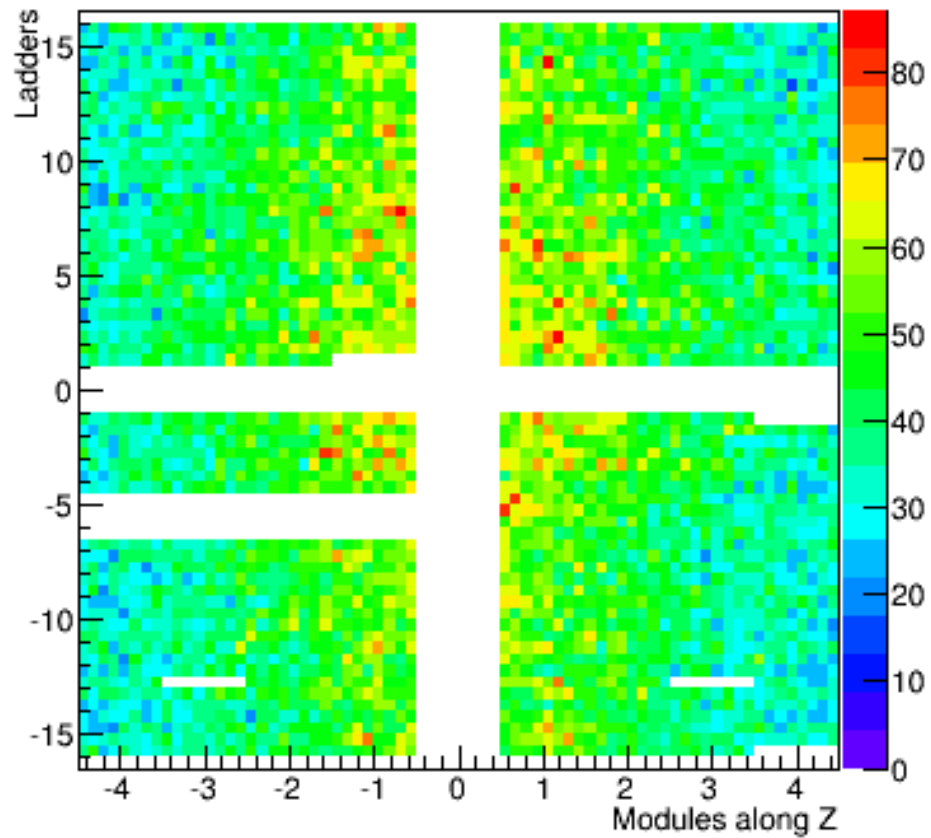
DQM plot

Clusters Layer1



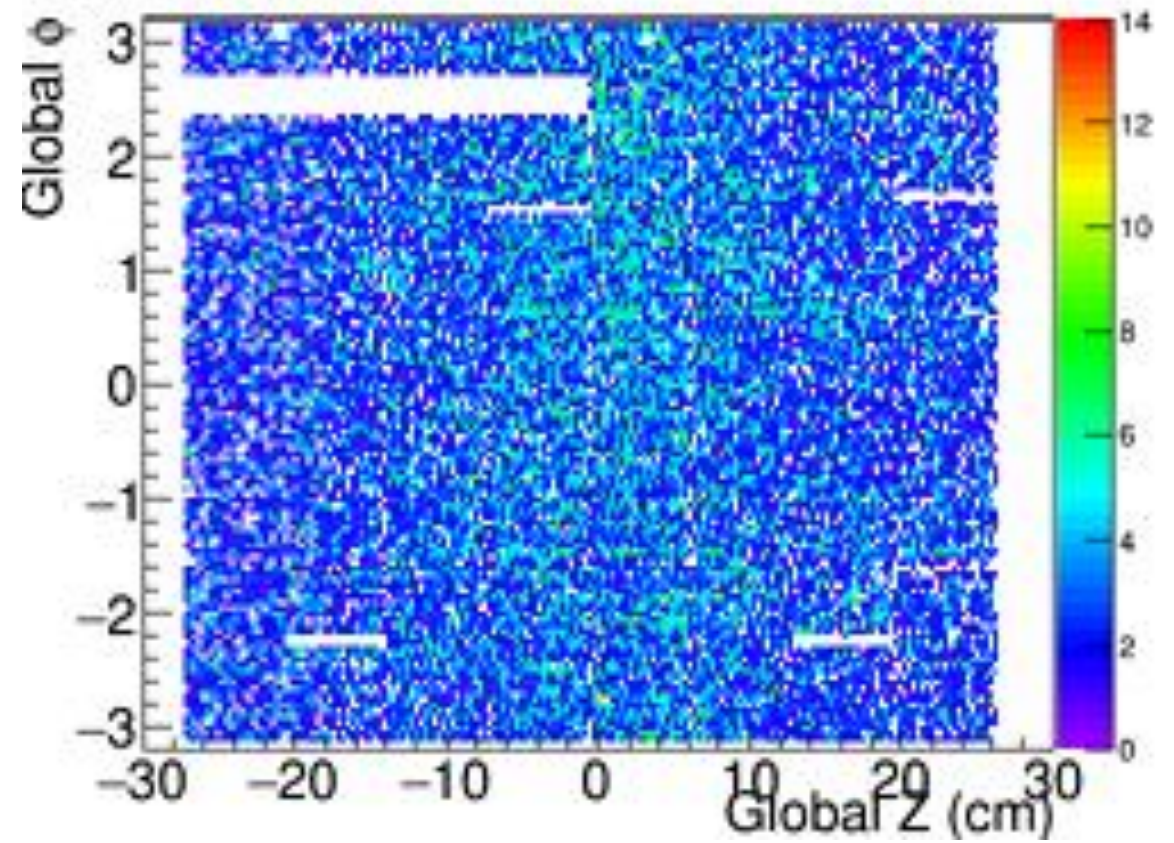
# SiPixelQuality\_v33

Layer 2



DQM plot

Clusters Layer2

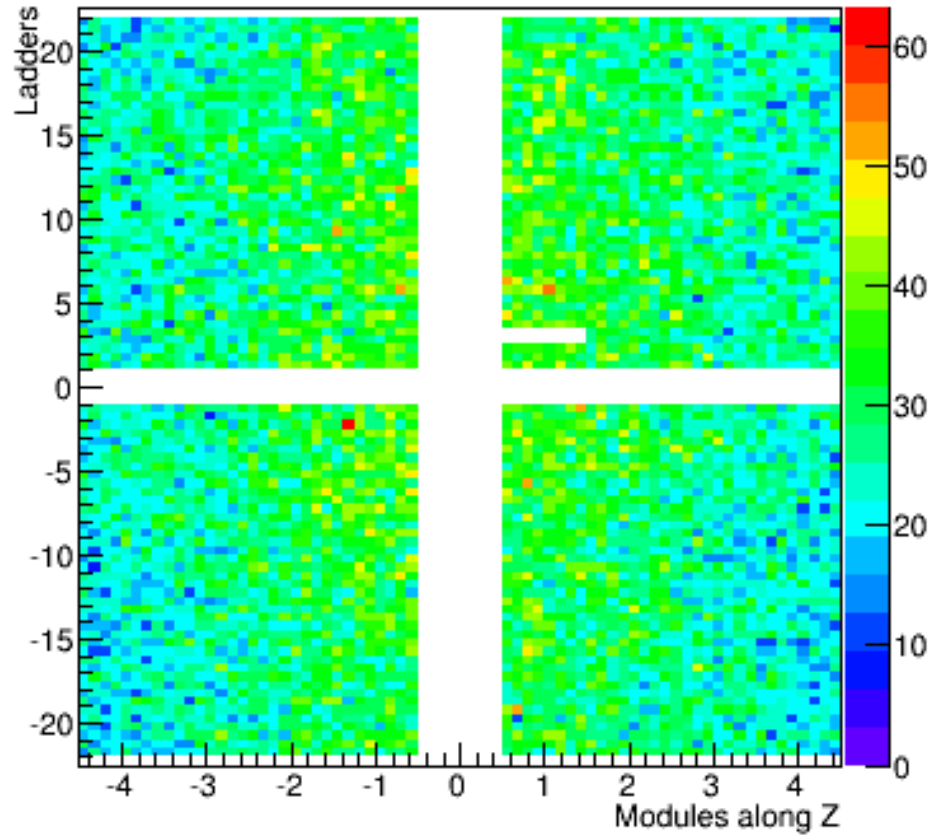




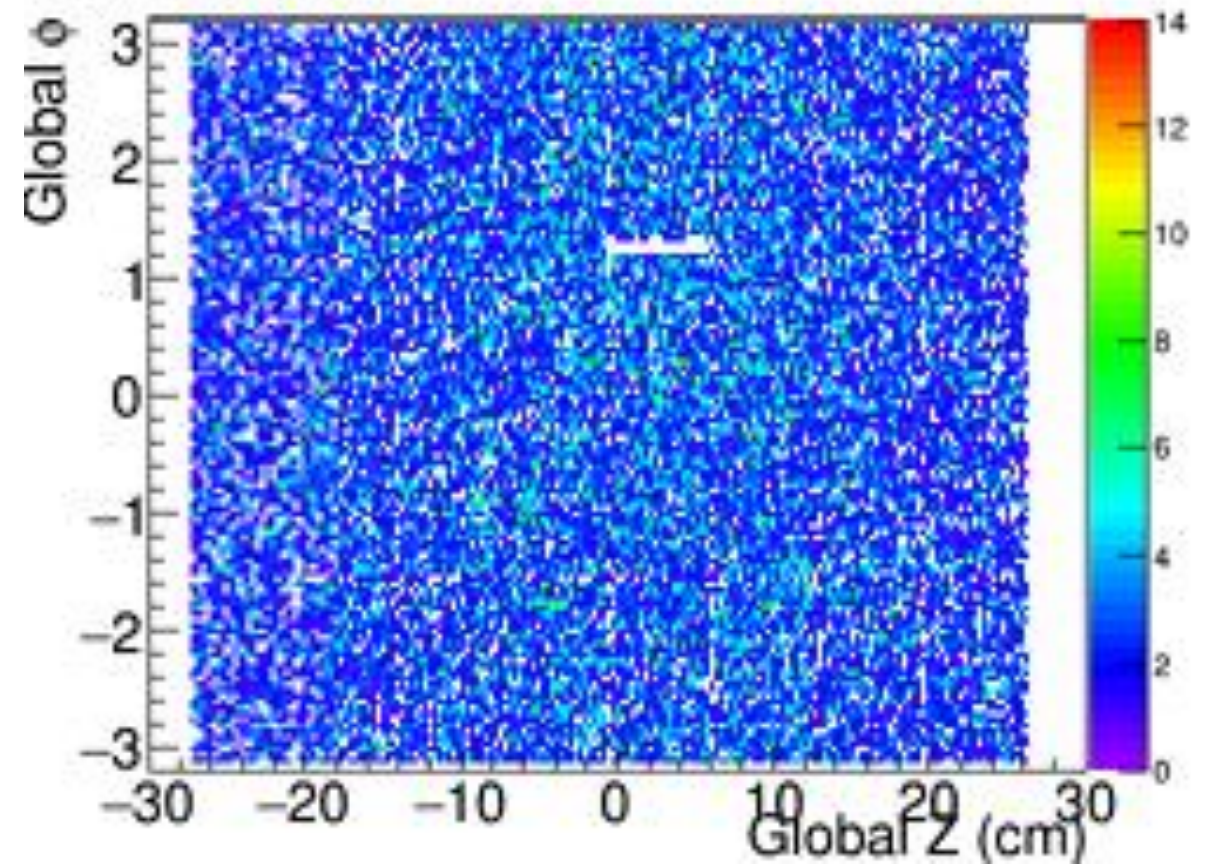
# SiPixelQuality\_v33

DQM plot

Layer 3



Clusters Layer3



# SiPixelQuality\_v33

Green light from the AlCaDB was asked and permission to upload was granted

<https://hypernews.cern.ch/HyperNews/CMS/get/calibrations/2363.html>

New IOV in *SiPixelQuality\_v03\_dup\_hlt* from  
Runs 273423 - infinity  
Added on 2016-05-14