



Herbert J. Bernstein <yayahjb@gmail.com>

HDRMX meeting

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Thu, Dec 6, 2018 at 6:44 PM

To: "Herbert J. Bernstein" <yayahjb@gmail.com>

Dear Herbert,

Please see the attachment for the slide I showed. For our automatic processing pipelines, we masked two edge pixels of each module, as below.

!EXCLUSION OF HORIZONTAL DEAD AREAS OF THE EIGER 16M DETECTOR + TWO PIXEL ON EACH SIDE

```
UNTRUSTED_RECTANGLE= 0 4150 0 2
UNTRUSTED_RECTANGLE= 0 4150 4368 4370
UNTRUSTED_RECTANGLE= 0 4150 512 554
UNTRUSTED_RECTANGLE= 0 4150 1063 1105
UNTRUSTED_RECTANGLE= 0 4150 1614 1656
UNTRUSTED_RECTANGLE= 0 4150 2165 2207
UNTRUSTED_RECTANGLE= 0 4150 2716 2758
UNTRUSTED_RECTANGLE= 0 4150 3267 3309
UNTRUSTED_RECTANGLE= 0 4150 3818 3860
```

!EXCLUSION OF VERTICAL DEAD AREAS OF THE EIGER 16M DETECTOR + TWO PIXEL ON EACH SIDE

```
UNTRUSTED_RECTANGLE= 1028 1043 0 4371
UNTRUSTED_RECTANGLE= 2068 2083 0 4371
UNTRUSTED_RECTANGLE= 3108 3123 0 4371
UNTRUSTED_RECTANGLE= 0 2 0 4371
UNTRUSTED_RECTANGLE= 4147 4149 0 4371
```

We upgraded our DCU in 2017 summer, Dectris recommended Mellanox ConnectX-3 Pro, but they didn't provide the card, at least not at that time. After the upgrade, we still got 10Gbps download speed and it seemed that limitation was from the WebDAV side. With four threads downloading four different files, one could almost get 40Gbps in total.

Best regards,

Jie



BioMAX_eiger16M_module_edge_jn.pptx
2810K