

Epix100a gain constants after transition from pcds to s3df

Status of gain correction constants on 2024-02-13

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PCDS

Content of calibration constants repository for epix100a

/reg/g/psdm/detector/calib/constants/epix100a/

There is no gain constants in repository

Content off epix100a repository /reg/g/psdm/detector/calib/constants/epix100a/

```
[dubrovina@pslogin03:~/LCLS]$ ls -l /reg/g/psdm/detector/calib/constants/epix100a/**
/reg/g/psdm/detector/calib/constants/epix100a/3925999620-0996432897-3590324234-1232100352-1154532875-2654088449-0033554455/status_data:
total 1060
1060 epix100a_0003_20210716061106_xpplw3319_r0287_status_data.dat

/reg/g/psdm/detector/calib/constants/epix100a/3925999620-0996513537-2080374794-1794135040-0940361739-2398406657-0419430424/common_mode:
total 0

/reg/g/psdm/detector/calib/constants/epix100a/3925999620-0996513537-2080374794-1794135040-0940361739-2398406657-0419430424/gain:
total 0

/reg/g/psdm/detector/calib/constants/epix100a/3925999620-0996513537-2080374794-1794135040-0940361739-2398406657-0419430424/geometry:
total 0

/reg/g/psdm/detector/calib/constants/epix100a/3925999620-0996513537-2080374794-1794135040-0940361739-2398406657-0419430424/status_dark:
total 1060
1060 epix100a_0001_20210716061106_xpplw3319_r0287_status_dark.dat

/reg/g/psdm/detector/calib/constants/epix100a/3925999620-0996513537-2080374794-1794135040-0940361739-2398406657-0419430424/status_light:
total 1060
1060 epix100a_0001_20210716061106_xpplw3319_r0287_status_light.dat

/reg/g/psdm/detector/calib/constants/epix100a/3925999620-0996513537-2080374794-1794135040-0940361739-2398406657-0419430424/status_max:
total 1080
1080 epix100a_0001_20210716073950_xpplw3319_r0293_status_max.dat

/reg/g/psdm/detector/calib/constants/epix100a/3925999620-0996513537-2080374794-1794135040-0940361739-2398406657-0419430424/status_merged:
total 1084
1084 epix100a_0001_20210716073950_xpplw3319_r0293_status_merged.txt

/reg/g/psdm/detector/calib/constants/epix100a/3925999620-0996579585-0553648138-1232098304-1221641739-2650251521-3976200215/status_data:
```

```
total 1060
1060 epix100a_0002_20210716061106_xpplw3319_r0287_status_data.dat

/reg/g/psdm/detector/calib/constants/epix100a/3925999620-1000248321-4076863498-1794137088-0410306571-2402454273-0067108888/status_data:
total 1060
1060 epix100a_0004_20210716061106_xpplw3319_r0287_status_data.dat

/reg/g/psdm/detector/calib/constants/epix100a/logs/2023:
total 340
 8 2023-05-18T141959_log_det_raw_pixel_status_dubrovin.txt 16 2023-05-18T175201_log_det_raw_pixel_status_dubrovin.txt
 8 2023-05-18T142630_log_det_raw_pixel_status_dubrovin.txt 12 2023-05-18T175559_log_det_raw_pixel_status_dubrovin.txt
 8 2023-05-18T142659_log_det_raw_pixel_status_dubrovin.txt 12 2023-05-18T182842_log_det_raw_pixel_status_dubrovin.txt
 8 2023-05-18T142822_log_det_raw_pixel_status_dubrovin.txt 16 2023-05-19T091027_log_det_raw_pixel_status_dubrovin.txt
12 2023-05-18T152939_log_det_raw_pixel_status_dubrovin.txt 12 2023-05-19T091540_log_det_raw_pixel_status_dubrovin.txt
12 2023-05-18T153839_log_det_raw_pixel_status_dubrovin.txt 32 2023-05-19T091633_log_det_raw_pixel_status_dubrovin.txt
16 2023-05-18T154657_log_det_raw_pixel_status_dubrovin.txt 28 2023-05-19T092223_log_det_raw_pixel_status_dubrovin.txt
28 2023-05-18T172412_log_det_raw_pixel_status_dubrovin.txt 8 2023-05-19T092635_log_det_raw_pixel_status_dubrovin.txt
28 2023-05-18T173532_log_det_raw_pixel_status_dubrovin.txt 16 2023-05-19T093425_log_det_raw_pixel_status_dubrovin.txt
32 2023-05-18T174144_log_det_raw_pixel_status_dubrovin.txt 8 2023-05-23T085441_log_deploy_constants_dubrovin.txt
12 2023-05-18T175045_log_det_raw_pixel_status_dubrovin.txt 8 2023-05-23T090140_log_deploy_constants_dubrovin.txt
[dubrovin@pslogin03:~/LCLS]$
```

pixel_gain constants in the experimental calib directories

```
/reg/d/psdm/<INSTRUMENT>/<EXPERIMENT>/calib/Epix100a::CalibV1/*Epix100a*/pixel_gain/
```

Some experiments of CXI, DET, MEC, MFX, MOB, XCS, XPP have non-default gain constants:

Content of /reg/d/psdm//calib/Epix100a::CalibV1/Epix100a/pixel_gain/

```
(ana-4.0.59-py3) [dubrovin@psanagpu101:~/LCLS/con-py3/Detector/app]$ 1 /reg/d/psdm/*/*calib/Epix100a::CalibV1/*Epix100a*/pixel_gain/
/reg/d/psdm/cxi/cxi02316/calib/Epix100a::CalibV1/CxiSc1.0:Epix100a.0/pixel_gain/:
total 3968
3940 0-end.data      28 HISTORY

/reg/d/psdm/cxi/cxi12316/calib/Epix100a::CalibV1/CxiSc1.0:Epix100a.0/pixel_gain/:
total 3968
3940 0-end.data      28 HISTORY

/reg/d/psdm/det/detdaq19/calib/Epix100a::CalibV1/DetLab.0:Epix100a.0/pixel_gain/:
total 0

/reg/d/psdm/det/detdaq20/calib/Epix100a::CalibV1/DetLab.0:Epix100a.0/pixel_gain/:
total 3968
3940 0-end.data      28 HISTORY

/reg/d/psdm/mec/mecf6316/calib/Epix100a::CalibV1/MecTargetChamber.0:Epix100a.0/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/mec/mec11000821/calib/Epix100a::CalibV1/MecTargetChamber.0:Epix100a.1/pixel_gain/:
total 2990
2962 0-end.data      28 HISTORY

/reg/d/psdm/mec/mec11001121/calib/Epix100a::CalibV1/MecTargetChamber.0:Epix100a.0/pixel_gain/:
```

```
total 3968
3940 0-end.data      28 HISTORY

/reg/d/psdm/mec/mec11001121/calib/Epix100a::CalibV1/MecTargetChamber.0:Epix100a.1/pixel_gain/:
total 3968
3940 0-end.data      28 HISTORY

/reg/d/psdm/mec/mec11001121/calib/Epix100a::CalibV1/MecTargetChamber.0:Epix100a.2/pixel_gain/:
total 2990
2962 0-end.data      28 HISTORY

/reg/d/psdm/mec/mec11001121/calib/Epix100a::CalibV1/MecTargetChamber.0:Epix100a.3/pixel_gain/:
total 2990
2962 0-end.data      28 HISTORY

/reg/d/psdm/mec/mec18216/calib/Epix100a::CalibV1/MecTargetChamber.0:Epix100a.0/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/mec/mec1p5415/calib/Epix100a::CalibV1/MecTargetChamber.0:Epix100a.0/pixel_gain/:
total 28
28 HISTORY

/reg/d/psdm/mec/mec1w3619/calib/Epix100a::CalibV1/MecTargetChamber.0:Epix100a.1/pixel_gain/:
total 3940
3940 13-end.data

/reg/d/psdm/mfx/mfx1q3915/calib/Epix100a::CalibV1/MfxEndstation.0:Epix100a.0/pixel_gain/:
total 4918
4918 0-end.data

/reg/d/psdm/mfx/mfxm5116/calib/Epix100a::CalibV1/MfxEndstation.0:Epix100a.0/pixel_gain/:
total 3940
3940 0-end.data*

/reg/d/psdm/mfx/mfxn8316/calib/Epix100a::CalibV1/MfxEndstation.0:Epix100a.0/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/mfx/mfxn8416/calib/Epix100a::CalibV1/MfxEndstation.0:Epix100a.0/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/mob/mob00116/calib/Epix100a::CalibV1/NoDetector.0:Epix100a.0/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xcs/xcs06016/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.1/pixel_gain/:
total 7880
3940 0-end.data  3940 52-end.data

/reg/d/psdm/xcs/xcs06016/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.2/pixel_gain/:
total 7880
3940 0-end.data  3940 52-end.data

/reg/d/psdm/xcs/xcs06016/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.3/pixel_gain/:
total 7880
3940 0-end.data  3940 52-end.data

/reg/d/psdm/xcs/xcs06016/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.4/pixel_gain/:
total 7880
3940 0-end.data  3940 52-end.data

/reg/d/psdm/xcs/xcs12316/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.1/pixel_gain/:
total 16683
3940 0-end.data  12743 401-401.data

/reg/d/psdm/xcs/xcs12316/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.2/pixel_gain/:
total 16683
3940 0-end.data  12743 401-401.data
```

```
/reg/d/psdm/xcs/xcs12316/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.4/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xcs/xcsc00121/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.1/pixel_gain/:
total 3968
3940 0-end.data      28 HISTORY

/reg/d/psdm/xcs/xcsc00121/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.2/pixel_gain/:
total 3968
3940 0-end.data      28 HISTORY

/reg/d/psdm/xcs/xcsi0314/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.0/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xcs/xcsl1002521/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.1/pixel_gain/:
total 3968
3940 0-end.data      28 HISTORY

/reg/d/psdm/xcs/xcsl1002521/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.2/pixel_gain/:
total 3968
3940 0-end.data      28 HISTORY

/reg/d/psdm/xcs/xcsl1004021/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.1/pixel_gain/:
total 3968
3940 0-end.data      28 HISTORY

/reg/d/psdm/xcs/xcsl1004021/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.2/pixel_gain/:
total 3968
3940 0-end.data      28 HISTORY

/reg/d/psdm/xcs/xcsl2516/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.0/pixel_gain/:
total 7880
3940 0-end.data      3940 130-end.data

/reg/d/psdm/xcs/xcsl2516/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.1/pixel_gain/:
total 24563
3940 0-end.data      3940 130-end.data      3940 399-399.data      12743 401-401.data

/reg/d/psdm/xcs/xcsl2516/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.2/pixel_gain/:
total 7880
3940 0-end.data      3940 130-end.data

/reg/d/psdm/xcs/xcsl2516/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.3/pixel_gain/:
total 7880
3940 0-end.data      3940 130-end.data

/reg/d/psdm/xcs/xcsl2516/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.4/pixel_gain/:
total 7880
3940 0-end.data      3940 130-end.data

/reg/d/psdm/xcs/xcslq2515/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.0/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xcs/xcslq2815/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.0/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xcs/xcslr0016/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.1/pixel_gain/:
total 7880
3940 401-401.data      3940 402-402.data

/reg/d/psdm/xcs/xcslr0016/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.2/pixel_gain/:
total 7880
3940 401-401.data      3940 402-402.data

/reg/d/psdm/xcs/xcslr0016/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.3/pixel_gain/:
total 7880
3940 401-401.data      3940 402-402.data
```

```
/reg/d/psdm/xcs/xcslr0016/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.4/pixel_gain/:
total 3940
3940 401-401.data

/reg/d/psdm/xcs/xcsm9816/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.1/pixel_gain/:
total 16683
3940 0-end.data 12743 401-401.data

/reg/d/psdm/xcs/xcsm9816/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.2/pixel_gain/:
total 16683
3940 0-end.data 12743 401-401.data

/reg/d/psdm/xcs/xcsm9816/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.3/pixel_gain/:
total 20623
3940 0-end.data 3940 399-399.data 12743 401-401.data

/reg/d/psdm/xcs/xcsm9816/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.4/pixel_gain/:
total 16683
3940 0-end.data 12743 401-401.data

/reg/d/psdm/xcs/xcsx1001121/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.1/pixel_gain/:
total 3968
3940 0-end.data 28 HISTORY

/reg/d/psdm/xcs/xcsx1001121/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.2/pixel_gain/:
total 3968
3940 0-end.data 28 HISTORY

/reg/d/psdm/xcs/xcsx24115/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.0/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xcs/xcsx30316/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.5/pixel_gain/:
total 3940
3940 35-end.data

/reg/d/psdm/xcs/xcsx30316/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.6/pixel_gain/:
total 3940
3940 35-end.data

/reg/d/psdm/xpp/xpp10216/calib/Epix100a::CalibV1/XppGon.0:Epix100a.1/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xpp/xpp10216/calib/Epix100a::CalibV1/XppGon.0:Epix100a.2/pixel_gain/:
total 7880
3940 0-end.data 3940 100-end.data

/reg/d/psdm/xpp/xpp12716/calib/Epix100a::CalibV1/XppGon.0:Epix100a.1/pixel_gain/:
total 0

/reg/d/psdm/xpp/xpp12716/calib/Epix100a::CalibV1/XppGon.0:Epix100a.2/pixel_gain/:
total 7908
3940 gainPixelCorr_passZero_r6007_c0.txt 28 HISTORY 3940 might-be-gain-file

/reg/d/psdm/xpp/xpp13216/calib/Epix100a::CalibV1/XppGon.0:Epix100a.1/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xpp/xpp13216/calib/Epix100a::CalibV1/XppGon.0:Epix100a.2/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xpp/xpp11316/calib/Epix100a::CalibV1/XppGon.0:Epix100a.0/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xpp/xpp17416/calib/Epix100a::CalibV1/XppGon.0:Epix100a.1/pixel_gain/:
total 3940
3940 0-end.data
```

```

/reg/d/psdm/xpp/xppl7416/calib/Epix100a::CalibV1/XppGon.0:Epix100a.2/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xpp/xpplp0815/calib/Epix100a::CalibV1/XppGon.0:Epix100a.1/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xpp/xpplp1315/calib/Epix100a::CalibV1/XppGon.0:Epix100a.1/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xpp/xpplp7515/calib/Epix100a::CalibV1/XppGon.0:Epix100a.1/pixel_gain/:
total 0

/reg/d/psdm/xpp/xpplq5915/calib/Epix100a::CalibV1/XppGon.0:Epix100a.1/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xpp/xpplq5915/calib/Epix100a::CalibV1/XppGon.0:Epix100a.2/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xpp/xpplr8116/calib/Epix100a::CalibV1/XppGon.0:Epix100a.1/pixel_gain/:
total 3968
3940 1-end.data    28 HISTORY

/reg/d/psdm/PPP/xpplr8116/calib/Epix100a::CalibV1/XppGon.0:Epix100a.1/pixel_gain/:
total 3968
3940 1-end.data    28 HISTORY

/reg/d/psdm/xpp/xppls6116/calib/Epix100a::CalibV1/XppGon.0:Epix100a.1/pixel_gain/:
total 3940
3940 35-end.data

/reg/d/psdm/xpp/xpplx9121/calib/Epix100a::CalibV1/XppGon.0:Epix100a.1/pixel_gain/:
total 2990
2962 0-end.data    28 HISTORY

/reg/d/psdm/xpp/xpplx9220/calib/Epix100a::CalibV1/XppGon.0:Epix100a.1/pixel_gain/:
total 2990
2962 0-end.data    28 HISTORY

/reg/d/psdm/xpp/xppn4116/calib/Epix100a::CalibV1/XppGon.0:Epix100a.1/pixel_gain/:
total 11820
3940 1-73.data    3940 74-end.data    3940 74-end.data.oldgainmap

/reg/d/psdm/xpp/xppn4516/calib/Epix100a::CalibV1/XppGon.0:Epix100a.1/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xpp/xppn4516/calib/Epix100a::CalibV1/XppGon.0:Epix100a.2/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xpp/xppo4616/calib/Epix100a::CalibV1/XppGon.0:Epix100a.0/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xpp/xpptut15/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.0/pixel_gain/:
total 3940
3940 0-end.data

/reg/d/psdm/xpp/xpptut15/calib/Epix100a::CalibV1/XcsEndstation.0:Epix100a.1/pixel_gain/:
total 3968
3940 260-260.data    28 HISTORY

(ana-4.0.59-py3) [dubrovina@psanagpu101:~/LCLS/con-py3/Detector/app]$

```

S3DF

Content of calibration constants repository for epix100a

Content of /sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/gain/

```
ana-4.0.59-py3 [dubrovin@sdfiana001:~/L
CLS/con-py3]$ 1 /sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/*/gain/*
3700 /sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/3925999616-0996579585-0553648138-1232098304-
1221641739-2650251521-3976200215/gain/epix100a_0001_20220901120000_xpptut15_r0123_gain.txt
3700 /sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/3925999620-0997117953-4227858442-1794137088-
0403490827-2403244545-1224736792/gain/epix100a_0007_20220425120000_detdaq20_r0134_gain.txt
ana-4.0.59-py3
```

Content of entire repository for epix100a

Content of /sdf/group/lcls/ds/ana/detector/calib/constants/epix100a*/

```
ana-4.0.59-py3 [dubrovin@sdfiana001:~/LCLS/con-py3]$ l /sdf/group/lcls/ds/ana/detector/calib/constants/epix100a
/*/
/sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/3925999616-0996579585-0553648138-1232098304-1221641739-
2650251521-3976200215/:
total 0
0 common_mode/ 0 gain/ 0 geometry/

/sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/3925999620-0171598081-1879048214-1794135040-1745668107-
2998264577-2181038105/:
total 0
0 common_mode/ 0 gain/ 0 geometry/

/sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/3925999620-0996432897-3590324234-1232100352-1154532875-
2654088449-0033554455/:
total 0
0 common_mode/ 0 gain/ 0 geometry/

/sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/3925999620-0996513537-2080374794-1794135040-0940361739-
2398406657-0419430424/:
total 0
0 common_mode/ 0 gain/ 0 geometry/ 0 status_dark/ 0 status_light/ 0 status_max/ 0 status_merged/

/sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/3925999620-0996579585-0553648138-1232098304-1221641739-
2650251521-3976200215/:
total 0
0 common_mode/ 0 gain/ 0 geometry/

/sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/3925999620-0996663297-3791650826-1232098304-0953206283-
2655595777-0520093719/:
total 0
0 common_mode/ 0 gain/ 0 geometry/

/sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/3925999620-0997117953-4227858442-1794137088-0403490827-
2403244545-1224736792/:
total 0
0 common_mode/ 0 gain/ 0 geometry/

/sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/3925999620-0998275585-0385875978-1232100352-0416335371-
2654033921-1056964631/:
total 0
0 common_mode/ 0 gain/ 0 geometry/

/sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/3925999620-1000144641-1258291210-0629693440-0611090787-
2995437313-0973078553/:
total 0
0 common_mode/ 0 gain/ 0 geometry/

/sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/3925999620-1000248321-4076863498-1794137088-0410306571-
2402454273-0067108888/:
total 0
0 common_mode/ 0 gain/ 0 geometry/

/sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/3925999620-1000686337-1174405130-3104330752-0681854067-
2671186177-3472883735/:
total 0
0 common_mode/ 0 gain/ 0 geometry/

/sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/default/:
total 2656
  4 2014-12-04-geometry-epix100a-xpp.txt      4 epix100a_default_common_mode.txt  2644 epix100a_default_gain.
txt      4 epix100a_default_geometry.txt@

/sdf/group/lcls/ds/ana/detector/calib/constants/epix100a/logs/:
total 0
0 2023/ 0 2024/
ana-4.0.59-py3 [dubrovin@sdfiana001:~/LCLS/con-py3]$
```

Summary

- pcids gain constants were deployed in the experimental calib directory before epix100a repository was introduced in 2022
- pcids repository does not contain any epix100a gain file (except default)
- s3df repository contains a couple of gain files for test purpose for xpptut15 and detdaq20
- in modern approach pedestals (and other) calibration also goes through the repository
- if someone wants non-default gain constants they first needs to be deployed in repository as explained in [Detector Calibration Constants Deployment](#)

References

- [Calibration Scripts Repository and Logging](#)
- [Detector Calibration Constants Deployment](#)
- [Method det.calib algorithms](#)
- [Detector geometry constants deployment](#)
- [LCLS-II Calibration DB](#)