Command:

macros/cis/CIS\_DB\_Update.py --date "August 21, 2021" "September 28, 2021"

Runs:

run [399940, 'CIS', '2021-08-23 10:13:25,2021-08-23 10:15:03'] (bad for all)

run [400063, 'CIS', '2021-08-23 21:33:36,2021-08-23 21:35:18'] (bad for LBA hi)

run [400103, 'CIS', '2021-08-24 18:12:02,2021-08-24 18:13:16']

run [400323, 'CIS', '2021-08-27 18:33:23,2021-08-27 18:34:46'] (bad for LBC hi, LBC lo)\*

run [400558, 'CIS', '2021-09-01 00:48:50,2021-09-01 00:50:25'] (bad for EBA lo+hi, LBC hi)\*

run [400656, 'CIS', '2021-09-01 16:29:51,2021-09-01 16:31:10'] (bad for EBA lo & EBC hi)

run [400841, 'CIS', '2021-09-03 13:08:05,2021-09-03 13:09:27'] (bad for all lo, LBC EBC hi)

run [400899, 'CIS', '2021-09-03 19:48:18,2021-09-03 19:49:21'] (bad for LBA EBA lo)

run [401001, 'CIS', '2021-09-07 10:43:57,2021-09-07 10:45:30'] (bad EBA hg)

run [401325, 'CIS', '2021-09-10 11:37:28,2021-09-10 11:39:06']

run [401520, 'CIS', '2021-09-14 22:37:24,2021-09-14 22:38:47'] (bad LBC hi)\*

run [401630, 'CIS', '2021-09-17 10:34:44,2021-09-17 10:36:25']

run [401631, 'CIS', '2021-09-17 10:40:21,2021-09-17 10:41:53']

run [401632, 'CIS', '2021-09-17 10:47:06,2021-09-17 10:48:42'] (LBA high, EBC high only)

run [401633, 'CIS', '2021-09-17 10:56:27,2021-09-17 10:58:17'] (all except LBA/EBC high)

run [401687, 'CIS', '2021-09-17 20:06:41,2021-09-17 20:08:37'] (EBC hi bad)

run [401694, 'CIS', '2021-09-20 10:42:58,2021-09-20 10:44:24']

run [401695, 'CIS', '2021-09-20 10:49:32,2021-09-20 10:51:15']

run [401696, 'CIS', '2021-09-20 10:56:25,2021-09-20 10:57:50'] (good for all!)

run [401697, 'CIS', '2021-09-20 11:01:29,2021-09-20 11:03:06']

run [401898, 'CIS', '2021-09-21 22:08:47,2021-09-21 22:10:32'] (bad for LBA lo, LBA hi)

run [402124, 'CIS', '2021-09-24 21:54:13,2021-09-24 21:55:41'] (bad for LBC hi, )\*

In list form:

399940 400063 400103 400323 400558 400656 400841 400899 401001 401325 401520 401630 401631 401632 401633 401687 401694 401695 401696 401697 401898 402124

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Runs to check out:

EBA hg: 9/7 (401001), 9/17 (401630, 401631, 401632, 401633, 401687)

EBA lg: 9/7 (401001)

EBC hg: 9/1 (400656), 9/17 (401630, 401631, 401632, 401633, 401687)

EBC lg: 9/17 bad and 9/20 and possibly 9/3

LBA hg : 8/23 (399940, 400063); 9/17 (401630 401631 401632 401633 401687) ;

LBA lg :

LBC hg :

LBC lg :

PLOTS:

[0][x][y] = LBA module x channel y

[1][x][y] = LBC module x channel y …….

Run: root /eos/atlas/atlascerngroupdisk/det-tile/2021/tile\_*number*\_CIS.0.aan.root

Amp/Charge Plots:

Low: h2000->Draw("eFit\_lo[0][0][10]/cispar[6]:cispar[6]","cispar[7]==100 && 374 < cispar[6] && cispar[6] < 875","BOX")

High: h2000->Draw("eFit\_hi[0][0][10]/cispar[6]:cispar[6]","cispar[7]==100 && 3 < cispar[6] && cispar[6] < 13","BOX")

Timing plots:

Low: h2000->Draw("tFit\_lo[0][0][10]","cispar[7]==100 && 374 < cispar[6] && cispar[6] < 875")

High: h2000->Draw("tFit\_hi[0][0][10]","cispar[7]==100 && 3 < cispar[6] && cispar[6] < 13")

401630:

401631:

* EBC hi is good in amp/charge and timing

401632

* EBC hi good in amp/charge and timing!
* LBA high has good amp/charge and timing

401633:

* Lo amp/charge ratio good
* Hi amp/charge bad for LBA and EBC
* Timing all good (-15, 10)

401687

* amp/charge only bad for EBC hi
* Timing all good (-15, 10)

401697

* Low amp charge: LBA Bad, LBC bad, EBA good, EBC bad
* Hi amp charge: all good
* Timing: all good

401696

* Low amp charge: all good
* Hi amp charge: all good
* Timing: good for all!!!

401001

* Low amp charge all good
* Hi amp charge: looks exponential for EBA and I would call it bad
* Timing looks a little sus for EBA highgain

400558

* Low amp charge all good
* Hi amp charge bad for LBC, maybe EBA (exponential),
* Timing BAD for EBA low, EBA hi

400656

* Lo amp charge BAD for EBA
* Hi amp charge BAD for EBC
* Timing all good

Runs for Partition + gains

Total list of runs: 400063 400103 400323 400558 400656 400841 400899 401001 401325 401520 401632 401633 401687 401696 401898 402124

LBA lg: 400103 400323 400558 400656 401001 401325 401520 401632 401633 401687 401696 402124

LBA hg: 400103 400323 400558 400656 400841 400899 401001 401325 401520 401632 401687 401696 402124

LBC lg: 400063 400103 400558 400656 400899 401001 401325 401520 401633 401687 401696 401898 402124

LBC hg: 400063 400103 400656 400899 401001 401325 401632 401633 401687 401696 401898

EBA lg: 400063 400103 400323 401001 401325 401520 401633 401687 401696 401898 402124

EBA hg: 400063 400103 400323 400656 400841 400899 401325 401520 401633 401687 401696 401898 402124

EBC lg: 400063 400103 400323 400558 400656 400899 401001 401325 401520 401633 401687 401696 401898 402124

EBC hg: 400063 400103 400323 400558 400899 401001 401325 401520 401632 401696 401898 402124

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I tried EBA hg

macros/cis/CIS\_DB\_Update.py --date "August 21, 2021" "September 28, 2021" --region EBA --ldate 400063 400103 400323 400656 400841 400899 401325 401520 401633 401687 401696 401898 402124

hg looks really good :D :)))))

EBA lg:

macros/cis/CIS\_DB\_Update.py --date "August 21, 2021" "September 28, 2021" --region EBA --ldate 400063 400103 400323 401001 401325 401520 401633 401687 401696 401898 402124

DIDNT WORK BLOB TOO LONG

Trying again

Still didnn’t work

It was trying to produce 2421 plots, and produce 2421 entries in SQL file which was too much?

I think the issue is including 401001 so I am going to try without it (it is an outlier on every single one pretty much)

macros/cis/CIS\_DB\_Update.py --date "August 21, 2021" "September 28, 2021" --region EBA --ldate 400063 400103 400323 401325 401520 401633 401687 401696 401898 402124

This worked well. Look into why 401001 might have been so problematic for all of EBA?

Additionally it seems like most of these would need to be recalibrated around 9/16

So preemptively I will just run:

macros/cis/CIS\_DB\_Update.py --date "August 21, 2021" "September 28, 2021" --region EBA --ldate 401633 401687 401696 401898 402124

EBC lg:

macros/cis/CIS\_DB\_Update.py --date "August 21, 2021" "September 28, 2021" --region EBC --ldate 400063 400103 400323 400558 400656 400899 401001 401325 401520 401633 401687 401696 401898 402124

Looks pretty good. A few will need to be recalibrated

EBC hg:

macros/cis/CIS\_DB\_Update.py --date "August 21, 2021" "September 28, 2021" --region EBC --ldate 400063 400103 400323 400558 400899 401001 401325 401520 401632 401696 401898 402124

Looks good!

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Notes for presentation:

* LBC\_m13\_c15\_lowgain: Bad CIS example

400063 is BAD !!!! BAD!

ReadCalibFromCool.py --schema="sqlite://;schema=tileSqlite\_LBA\_LG.db;dbname=CONDBR2" --folder=/TILE/OFL02/CALIB/CIS/LIN --tag=UPD1 --module=LBA00 --gain=0 > lba\_lg.cis

WriteCalibToCool.py --folder=/TILE/OFL02/CALIB/CIS/LIN --tag=UPD1 --txtfile=Aug-2021.cis

WriteCalibToCool.py --schema="sqlite://;schema=tileSqlite\_sept2021.db;dbname=CONDBR2" --txtfile=corr1.txt --folder=/TILE/OFL02/CALIB/CIS/LIN --tag=UPD1 --run=402124

WriteCalibToCool.py --inschema=COOLOFL\_TILE/CONDBR2 --outschema="sqlite://;schema=tileSqlite\_sept2021.db;dbname=CONDBR2" --update --txtfile=corr2.txt --folder=/TILE/OFL02/CALIB/CIS/LIN --tag=UPD1 --run=402124

UPD1 tag must be missing :/

How to add?

CHANGE RUN NUMBER U IDIOT

you need to use --run=402676

WriteCalibToCool.py --schema="sqlite://;schema=tileSqlite\_sept2021.db;dbname=CONDBR2" --txtfile=corr1.txt --folder=/TILE/OFL02/CALIB/CIS/LIN --tag=UPD1 --run=402676

WriteCalibToCool.py --inschema=COOLOFL\_TILE/CONDBR2 --outschema="sqlite://;schema=tileSqlite\_sept2021.db;dbname=CONDBR2" --update --txtfile=corr2.txt --folder=/TILE/OFL02/CALIB/CIS/LIN --tag=UPD1 --run=402676

Update: Critical error was found: CRITICAL: Multi Version folder /TILE/OFL02/CALIB/CIS/LIN does not contain the required tag TileOfl02CalibCisLin-RUN2-UPD4-16 Exiting

IN UPDATE:

LBA02 chann 6 adc 0 ind 0 val1 1.2500 val2 1.2400 diff 0.0100 0.81%

LBA06 chann 38 adc 0 ind 0 val1 1.2900 val2 1.2800 diff 0.0100 0.78%

LBA14 chann 0 adc 0 ind 0 val1 1.2529 val2 1.2603 diff -0.0074 -0.59%

LBA14 chann 4 adc 0 ind 0 val1 1.2539 val2 1.2627 diff -0.0088 -0.70%

LBA14 chann 25 adc 0 ind 0 val1 1.2669 val2 1.2739 diff -0.0071 -0.55%

LBA14 chann 32 adc 0 ind 0 val1 1.2602 val2 1.2885 diff -0.0283 -2.20%

LBA14 chann 33 adc 0 ind 0 val1 1.2786 val2 1.2476 diff 0.0310 2.48%

LBA14 chann 40 adc 0 ind 0 val1 1.2647 val2 1.2500 diff 0.0147 1.17%

LBA14 chann 42 adc 0 ind 0 val1 1.2693 val2 1.2458 diff 0.0236 1.89%

LBA14 chann 45 adc 0 ind 0 val1 1.2540 val2 1.2632 diff -0.0092 -0.73%

LBA15 chann 2 adc 1 ind 0 val1 79.4200 val2 79.5800 diff -0.1600 -0.20%

LBA18 chann 21 adc 0 ind 0 val1 1.2900 val2 1.3000 diff -0.0100 -0.77%

LBA27 chann 5 adc 0 ind 0 val1 1.2786 val2 1.2851 diff -0.0065 -0.51%

LBA29 chann 39 adc 0 ind 0 val1 1.3200 val2 1.3100 diff 0.0100 0.76%

LBA30 chann 15 adc 0 ind 0 val1 1.3100 val2 1.3057 diff 0.0043 0.33%

LBA30 chann 16 adc 0 ind 0 val1 1.2900 val2 1.2930 diff -0.0030 -0.23%

LBA30 chann 17 adc 0 ind 0 val1 1.3000 val2 1.2979 diff 0.0021 0.17%

LBA41 chann 5 adc 0 ind 0 val1 1.2828 val2 1.2765 diff 0.0064 0.50%

LBA47 chann 11 adc 0 ind 0 val1 1.2900 val2 1.2936 diff -0.0036 -0.28%

LBA50 chann 5 adc 0 ind 0 val1 1.2800 val2 1.2832 diff -0.0032 -0.25%

LBA51 chann 12 adc 1 ind 0 val1 79.6800 val2 79.2300 diff 0.4500 0.57%

LBA53 chann 5 adc 1 ind 0 val1 77.6100 val2 78.0900 diff -0.4800 -0.61%

LBA55 chann 3 adc 0 ind 0 val1 1.3100 val2 1.3122 diff -0.0022 -0.17%

LBA55 chann 4 adc 0 ind 0 val1 1.3300 val2 1.3316 diff -0.0016 -0.12%

LBA55 chann 5 adc 0 ind 0 val1 1.2800 val2 1.2908 diff -0.0108 -0.84%

LBA56 chann 11 adc 0 ind 0 val1 1.3000 val2 1.3065 diff -0.0065 -0.50%

LBA59 chann 32 adc 0 ind 0 val1 1.2982 val2 1.3049 diff -0.0067 -0.51%

LBC08 chann 32 adc 0 ind 0 val1 1.2700 val2 1.2800 diff -0.0100 -0.78%

LBC10 chann 37 adc 1 ind 0 val1 79.8200 val2 79.3098 diff 0.5102 0.64%

LBC12 chann 19 adc 1 ind 0 val1 80.6700 val2 80.4000 diff 0.2700 0.34%

LBC16 chann 29 adc 1 ind 0 val1 78.4400 val2 80.4716 diff -2.0316 -2.52%

LBC16 chann 41 adc 1 ind 0 val1 80.3700 val2 80.8300 diff -0.4600 -0.57%

LBC17 chann 11 adc 1 ind 0 val1 78.8900 val2 80.9168 diff -2.0268 -2.50%

LBC19 chann 22 adc 0 ind 0 val1 1.1600 val2 0.6000 diff 0.5600 93.33%

LBC44 chann 12 adc 1 ind 0 val1 81.3200 val2 79.4605 diff 1.8595 2.34%

LBC46 chann 4 adc 1 ind 0 val1 79.0500 val2 77.7934 diff 1.2566 1.62%

LBC47 chann 35 adc 0 ind 0 val1 0.9700 val2 1.1800 diff -0.2100 -17.80%

LBC50 chann 29 adc 0 ind 0 val1 1.2700 val2 1.2748 diff -0.0048 -0.37%

LBC60 chann 28 adc 0 ind 0 val1 1.2800 val2 1.2891 diff -0.0091 -0.71%

EBA01 chann 38 adc 1 ind 0 val1 79.8900 val2 80.4155 diff -0.5255 -0.65%

EBA06 chann 40 adc 0 ind 0 val1 1.2924 val2 1.2993 diff -0.0069 -0.53%

EBA07 chann 31 adc 0 ind 0 val1 0.9381 val2 1.0456 diff -0.1075 -10.28%

EBA11 chann 38 adc 0 ind 0 val1 1.2924 val2 1.2990 diff -0.0066 -0.51%

EBA19 chann 37 adc 0 ind 0 val1 1.2896 val2 1.2828 diff 0.0068 0.53%

EBA27 chann 35 adc 0 ind 0 val1 1.3199 val2 1.3290 diff -0.0091 -0.69%

EBA27 chann 39 adc 0 ind 0 val1 1.3099 val2 1.3168 diff -0.0069 -0.52%

EBA28 chann 5 adc 0 ind 0 val1 1.2976 val2 1.2900 diff 0.0076 0.59%

EBA34 chann 7 adc 1 ind 0 val1 80.2100 val2 79.6753 diff 0.5347 0.67%

EBA41 chann 1 adc 0 ind 0 val1 1.2981 val2 1.3069 diff -0.0088 -0.67%

EBA41 chann 2 adc 0 ind 0 val1 1.2746 val2 1.2833 diff -0.0087 -0.68%

EBA41 chann 2 adc 1 ind 0 val1 79.7759 val2 80.2283 diff -0.4524 -0.56%

EBA41 chann 4 adc 0 ind 0 val1 1.2658 val2 1.2727 diff -0.0070 -0.55%

EBA41 chann 4 adc 1 ind 0 val1 79.1163 val2 79.5410 diff -0.4247 -0.53%

EBA42 chann 30 adc 1 ind 0 val1 76.7868 val2 75.1135 diff 1.6733 2.23%

EBA44 chann 38 adc 0 ind 0 val1 1.3020 val2 1.3092 diff -0.0072 -0.55%

EBA46 chann 38 adc 0 ind 0 val1 1.2941 val2 1.3007 diff -0.0066 -0.51%

EBA49 chann 0 adc 1 ind 0 val1 73.2633 val2 75.9048 diff -2.6416 -3.48%

EBA51 chann 1 adc 0 ind 0 val1 1.2520 val2 1.2600 diff -0.0080 -0.64%

EBA51 chann 6 adc 0 ind 0 val1 1.3010 val2 1.3100 diff -0.0090 -0.68%

EBA51 chann 7 adc 0 ind 0 val1 1.2818 val2 1.2905 diff -0.0087 -0.68%

EBA51 chann 8 adc 0 ind 0 val1 1.2593 val2 1.2689 diff -0.0096 -0.76%

EBA51 chann 8 adc 1 ind 0 val1 79.9527 val2 80.5467 diff -0.5940 -0.74%

EBA51 chann 9 adc 0 ind 0 val1 1.2835 val2 1.2902 diff -0.0067 -0.52%

EBA51 chann 10 adc 1 ind 0 val1 79.7887 val2 80.1926 diff -0.4038 -0.50%

EBA51 chann 11 adc 1 ind 0 val1 80.3589 val2 80.8452 diff -0.4864 -0.60%

EBA51 chann 12 adc 1 ind 0 val1 82.5371 val2 83.0814 diff -0.5443 -0.66%

EBA51 chann 13 adc 0 ind 0 val1 1.2702 val2 1.2770 diff -0.0068 -0.53%

EBA51 chann 13 adc 1 ind 0 val1 81.4098 val2 82.1578 diff -0.7480 -0.91%

EBA51 chann 14 adc 0 ind 0 val1 1.2857 val2 1.2929 diff -0.0072 -0.55%

EBA51 chann 15 adc 0 ind 0 val1 1.2879 val2 1.2969 diff -0.0090 -0.70%

EBA51 chann 16 adc 1 ind 0 val1 81.1904 val2 81.6369 diff -0.4465 -0.55%

EBA51 chann 17 adc 0 ind 0 val1 1.3241 val2 1.3342 diff -0.0100 -0.75%

EBA51 chann 17 adc 1 ind 0 val1 81.6817 val2 82.2291 diff -0.5474 -0.67%

EBA51 chann 20 adc 0 ind 0 val1 1.2961 val2 1.3040 diff -0.0079 -0.60%

EBA51 chann 20 adc 1 ind 0 val1 82.2506 val2 82.7551 diff -0.5045 -0.61%

EBA51 chann 21 adc 0 ind 0 val1 1.3091 val2 1.3241 diff -0.0151 -1.14%

EBA51 chann 22 adc 0 ind 0 val1 1.2706 val2 1.2791 diff -0.0085 -0.67%

EBA51 chann 22 adc 1 ind 0 val1 79.8373 val2 80.3582 diff -0.5209 -0.65%

EBA51 chann 23 adc 0 ind 0 val1 1.3324 val2 1.3432 diff -0.0108 -0.80%

EBA52 chann 41 adc 0 ind 0 val1 1.2752 val2 1.2819 diff -0.0067 -0.53%

EBA54 chann 6 adc 1 ind 0 val1 81.3971 val2 82.2800 diff -0.8829 -1.07%

EBA54 chann 7 adc 1 ind 0 val1 79.9994 val2 80.4500 diff -0.4506 -0.56%

EBA54 chann 8 adc 0 ind 0 val1 1.2508 val2 1.2800 diff -0.0292 -2.28%

EBA54 chann 8 adc 1 ind 0 val1 82.1346 val2 80.4400 diff 1.6946 2.11%

EBA54 chann 9 adc 0 ind 0 val1 1.2623 val2 1.2900 diff -0.0277 -2.15%

EBA54 chann 9 adc 1 ind 0 val1 81.5322 val2 83.6000 diff -2.0678 -2.47%

EBA54 chann 10 adc 0 ind 0 val1 1.2865 val2 1.2800 diff 0.0065 0.51%

EBA54 chann 11 adc 1 ind 0 val1 82.1563 val2 80.3400 diff 1.8163 2.26%

EBA55 chann 22 adc 1 ind 0 val1 80.4836 val2 79.0568 diff 1.4269 1.80%

EBA61 chann 1 adc 0 ind 0 val1 1.2955 val2 1.3021 diff -0.0066 -0.51%

EBA61 chann 2 adc 0 ind 0 val1 1.3275 val2 1.3114 diff 0.0161 1.23%

EBA61 chann 3 adc 0 ind 0 val1 1.3164 val2 1.2839 diff 0.0325 2.53%

EBA61 chann 4 adc 0 ind 0 val1 1.3101 val2 1.2646 diff 0.0455 3.59%

EBA61 chann 6 adc 0 ind 0 val1 1.2977 val2 1.2831 diff 0.0146 1.14%

EBA61 chann 7 adc 0 ind 0 val1 1.2721 val2 1.3038 diff -0.0317 -2.43%

EBA61 chann 8 adc 0 ind 0 val1 1.3026 val2 1.2889 diff 0.0137 1.06%

EBA61 chann 9 adc 0 ind 0 val1 1.3047 val2 1.2878 diff 0.0170 1.32%

EBA61 chann 23 adc 0 ind 0 val1 1.3128 val2 1.3200 diff -0.0072 -0.55%

EBA62 chann 21 adc 0 ind 0 val1 1.2642 val2 1.2707 diff -0.0065 -0.51%

EBA63 chann 15 adc 0 ind 0 val1 1.2725 val2 1.3100 diff -0.0375 -2.86%

EBA63 chann 15 adc 1 ind 0 val1 80.8876 val2 87.8700 diff -6.9824 -7.95%

EBA63 chann 38 adc 0 ind 0 val1 1.2828 val2 1.2900 diff -0.0072 -0.56%

EBA64 chann 3 adc 1 ind 0 val1 40.6798 val2 76.9000 diff -36.2202 -47.10%

EBC02 chann 5 adc 0 ind 0 val1 1.2800 val2 1.2820 diff -0.0020 -0.15%

EBC09 chann 0 adc 0 ind 0 val1 1.2677 val2 1.2752 diff -0.0075 -0.59%

EBC09 chann 0 adc 1 ind 0 val1 79.8973 val2 80.4208 diff -0.5235 -0.65%

EBC09 chann 1 adc 0 ind 0 val1 1.2757 val2 1.2832 diff -0.0075 -0.58%

EBC09 chann 2 adc 0 ind 0 val1 1.2882 val2 1.2970 diff -0.0088 -0.68%

EBC09 chann 2 adc 1 ind 0 val1 79.7094 val2 80.1102 diff -0.4008 -0.50%

EBC09 chann 3 adc 0 ind 0 val1 1.2726 val2 1.2807 diff -0.0081 -0.63%

EBC09 chann 4 adc 0 ind 0 val1 1.2863 val2 1.2931 diff -0.0069 -0.53%

EBC09 chann 5 adc 0 ind 0 val1 1.2828 val2 1.2930 diff -0.0102 -0.79%

EBC09 chann 6 adc 0 ind 0 val1 1.2893 val2 1.2963 diff -0.0069 -0.53%

EBC09 chann 8 adc 1 ind 0 val1 81.7673 val2 82.2317 diff -0.4644 -0.56%

EBC09 chann 10 adc 0 ind 0 val1 1.3031 val2 1.3125 diff -0.0094 -0.72%

EBC09 chann 12 adc 1 ind 0 val1 80.7708 val2 81.2797 diff -0.5088 -0.63%

EBC09 chann 14 adc 0 ind 0 val1 1.2687 val2 1.2755 diff -0.0068 -0.53%

EBC09 chann 14 adc 1 ind 0 val1 81.2798 val2 81.7220 diff -0.4421 -0.54%

EBC09 chann 15 adc 0 ind 0 val1 1.3003 val2 1.3084 diff -0.0082 -0.62%

EBC09 chann 15 adc 1 ind 0 val1 82.7567 val2 83.2888 diff -0.5322 -0.64%

EBC09 chann 17 adc 0 ind 0 val1 1.3044 val2 1.3138 diff -0.0094 -0.72%

EBC09 chann 20 adc 0 ind 0 val1 1.2969 val2 1.3042 diff -0.0073 -0.56%

EBC09 chann 21 adc 0 ind 0 val1 1.2885 val2 1.2973 diff -0.0088 -0.68%

EBC09 chann 21 adc 1 ind 0 val1 81.1416 val2 81.6215 diff -0.4799 -0.59%

EBC09 chann 22 adc 0 ind 0 val1 1.2985 val2 1.3087 diff -0.0102 -0.78%

EBC09 chann 23 adc 1 ind 0 val1 82.4091 val2 82.8613 diff -0.4522 -0.55%

EBC13 chann 3 adc 0 ind 0 val1 1.3374 val2 1.3505 diff -0.0131 -0.97%

EBC15 chann 16 adc 1 ind 0 val1 79.4336 val2 79.9300 diff -0.4964 -0.62%

EBC16 chann 23 adc 1 ind 0 val1 79.0268 val2 79.5100 diff -0.4832 -0.61%

EBC18 chann 4 adc 0 ind 0 val1 0.8394 val2 0.6514 diff 0.1880 28.86%

EBC22 chann 16 adc 0 ind 0 val1 1.2400 val2 1.2382 diff 0.0018 0.14%

EBC23 chann 8 adc 0 ind 0 val1 1.3100 val2 1.3219 diff -0.0119 -0.90%

EBC24 chann 11 adc 0 ind 0 val1 1.2800 val2 1.2929 diff -0.0129 -0.99%

EBC43 chann 38 adc 0 ind 0 val1 1.2800 val2 1.2900 diff -0.0100 -0.78%

EBC52 chann 35 adc 0 ind 0 val1 1.3000 val2 1.2922 diff 0.0078 0.61%

EBC56 chann 41 adc 0 ind 0 val1 1.1840 val2 1.1971 diff -0.0131 -1.09%

EBC61 chann 12 adc 0 ind 0 val1 1.2738 val2 1.2802 diff -0.0064 -0.50%

EBC62 chann 10 adc 0 ind 0 val1 1.3000 val2 1.2876 diff 0.0124 0.96%

EBC64 chann 35 adc 0 ind 0 val1 1.2600 val2 1.2526 diff 0.0074 0.59%

EBC64 chann 37 adc 0 ind 0 val1 1.2984 val2 1.2913 diff 0.0070 0.54%

[khughes@lxplus797 newSept2021]$ ~solodkov/scripts/calib\_to\_oracle CALIB/CIS/LIN tileSqlite\_sept2021.db -h

Folder /TILE/OFL02/CALIB/CIS/LIN

UPD1 Oracle tag TileOfl02CalibCisLin-RUN2-HLT-UPD1-00 last IOV starts from run 400358

UPD4 Oracle tag TileOfl02CalibCisLin-RUN2-UPD4-16 last IOV starts from run 400227

Sqlite tag TileOfl02CalibCisLin-RUN2-HLT-UPD1-00 file tileSqlite\_sept2021.db starting from run 402676

comparing oracle with sqlite file tileSqlite\_sept2021.db for run 402676

/cvmfs/atlas.cern.ch/repo/sw/software/22.0/Athena/22.0.37/InstallArea/x86\_64-centos7-gcc8-opt/bin/ReadFromCoolCompare.py

run 402676 lumi 0 run2 402676 lumi2 0

maxdiff 0.0

maxdiffpercent -1.0

folder /TILE/OFL02/CALIB/CIS/LIN folder2 /TILE/OFL02/CALIB/CIS/LIN

tag TileOfl02CalibCisLin-RUN2-HLT-UPD1-00 tag2 TileOfl02CalibCisLin-RUN2-UPD4-16

schema COOLOFL\_TILE schema2 COOLOFL\_TILE

instance CONDBR2 instance2 CONDBR2

sqlfn tileSqlite\_sept2021.db sqlfn2 none

TileCalibTools : INFO ---------------------------------------------------------------------------------

TileCalibTools : INFO -------------------------- TileCalibTools.openDbConn ----------------------------

TileCalibTools : INFO - using COOL version 3.3.6

TileCalibTools : INFO - opening TileDb: sqlite://X;schema=tileSqlite\_sept2021.db;dbname=CONDBR2

TileCalibTools : INFO - mode: READONLY

TileCalibTools : INFO ---------------------------------------------------------------------------------

TileCalibTools : INFO ---------------------------------------------------------------------------------

TileCalibTools : INFO -------------------------- TileCalibTools.openDbConn ----------------------------

TileCalibTools : INFO - using COOL version 3.3.6

TileCalibTools : INFO - opening TileDb: oracle://ATLAS\_COOLPROD;schema=ATLAS\_COOLOFL\_TILE;dbname=CONDBR2

TileCalibTools : INFO - mode: READONLY

TileCalibTools : INFO ---------------------------------------------------------------------------------

readFromCool : INFO Initializing folder /TILE/OFL02/CALIB/CIS/LIN with tag TileOfl02CalibCisLin-RUN2-HLT-UPD1-00

readFromCool : INFO Initializing folder /TILE/OFL02/CALIB/CIS/LIN with tag TileOfl02CalibCisLin-RUN2-UPD4-16

readFromCool : INFO Initializing for run1 402676 lumi 0 run2 402676 lumi2 0 maxdiff 0.000000 maxdiffpercent -1.000000

readFromCool : INFO Comment1: dabelayn (Fri Oct 1 10:09:21 2021): Update for run 402676 from file Sep-2021.cis

readFromCool : INFO Comment2: dabelayn (Mon Aug 30 09:36:45 2021): Update for run 400227 from file corr2.txt

Open source database: sqlite://;schema=tileSqlite\_sept2021.db;dbname=CONDBR2

Open destination database: sqlite://;schema=tileSqlite\_onl\_CIS\_LIN.db;dbname=CONDBR2

COOL exception caught: The database does not exist

Try to create new conditions DB

Creation succeeded

Add folders in path:/TILE/OFL02/CALIB/CIS/LIN [ /TILE/OFL02/CALIB/CIS/LIN ]

Extracting current run-number from replica ATLR ...

Next run started will be 402825

Epoch time extracted 1633353426

Source run/LB range [402825,0] to [2147483647,4294967295]

Source timestamp range 1633353426000000000 UTC Mon Oct 4 13:17:06 2021

to 9223372036854775807 ValidityKeyMax

Adding channel range 20 to 1000 to channel selection

Forcing destination folder to singleversion

Destination folder will be renamed to /TILE/ONL01/CALIB/CIS/LIN

Creating folder /TILE/ONL01/CALIB/CIS/LIN payload-type 0 on destination

Created 96 new channels for /TILE/OFL02/CALIB/CIS/LIN

Start to process folder: /TILE/OFL02/CALIB/CIS/LIN (run/lumi)

Output IOVs will be modified

Multi version folder: consider tags [ TileOfl02CalibCisLin-RUN2-HLT-UPD1-00 ]

Copying tag TileOfl02CalibCisLin-RUN2-HLT-UPD1-00 of folder /TILE/OFL02/CALIB/CIS/LIN to destination tag TileOfl02CalibCisLin-RUN2-HLT-UPD1-00

Folder copied with 96 objects

Open source database: sqlite://;schema=tileSqlite\_sept2021.db;dbname=CONDBR2

Open destination database: sqlite://;schema=tileSqlite\_upd1\_CIS\_LIN.db;dbname=CONDBR2

COOL exception caught: The database does not exist

Try to create new conditions DB

Creation succeeded

Add folders in path:/TILE/OFL02/CALIB/CIS/LIN [ /TILE/OFL02/CALIB/CIS/LIN ]

Extracting current run-number from replica ATLR ...

Next run started will be 402825

Epoch time extracted 1633353433

Source run/LB range [402825,0] to [2147483647,4294967295]

Source timestamp range 1633353433000000000 UTC Mon Oct 4 13:17:13 2021

to 9223372036854775807 ValidityKeyMax

Adding channel range 20 to 1000 to channel selection

Creating folder /TILE/OFL02/CALIB/CIS/LIN payload-type 0 on destination

Created 96 new channels for /TILE/OFL02/CALIB/CIS/LIN

Start to process folder: /TILE/OFL02/CALIB/CIS/LIN (run/lumi)

Output IOVs will be modified

Multi version folder: consider tags [ TileOfl02CalibCisLin-RUN2-HLT-UPD1-00 ]

Copying tag TileOfl02CalibCisLin-RUN2-HLT-UPD1-00 of folder /TILE/OFL02/CALIB/CIS/LIN to destination tag TileOfl02CalibCisLin-RUN2-HLT-UPD1-00

Folder copied with 96 objects

Write tag description and lock info for 1 tags

Open source database: sqlite://;schema=tileSqlite\_sept2021.db;dbname=CONDBR2

Open destination database: sqlite://;schema=tileSqlite\_upd4\_CIS\_LIN.db;dbname=CONDBR2

COOL exception caught: The database does not exist

Try to create new conditions DB

Creation succeeded

Add folders in path:/TILE/OFL02/CALIB/CIS/LIN [ /TILE/OFL02/CALIB/CIS/LIN ]

Extracting bulk-reco run limit from ATLR ...

Next run started will be 402753

Epoch time extracted 1633100820

Source run/LB range [402753,0] to [2147483647,4294967295]

Source timestamp range 1633100820000000000 UTC Fri Oct 1 15:07:00 2021

to 9223372036854775807 ValidityKeyMax

Adding channel range 20 to 1000 to channel selection

Creating folder /TILE/OFL02/CALIB/CIS/LIN payload-type 0 on destination

Created 96 new channels for /TILE/OFL02/CALIB/CIS/LIN

Start to process folder: /TILE/OFL02/CALIB/CIS/LIN (run/lumi)

Output IOVs will be modified

Multi version folder: consider tags [ TileOfl02CalibCisLin-RUN2-HLT-UPD1-00 ]

Copying tag TileOfl02CalibCisLin-RUN2-HLT-UPD1-00 of folder /TILE/OFL02/CALIB/CIS/LIN to destination tag TileOfl02CalibCisLin-RUN2-UPD4-16

Folder copied with 96 objects

Write tag description and lock info for 1 tags

Issue ISSUES ISSUES

Look at LBA51 c 12 highgain as an example.

Old value was 79.23

New value should be 79.68

But when I read calib from cool I get 79.23 is the DB value. Even after my update.   
Am I using the wrong SQLITE file????