Command:

macros/cis/CIS\_DB\_Update.py --date 'June 1, 2022' 'July 1, 2022' |&tee results/JunCIS.txt

Runs:

run [423827, 'CIS', '2022-06-02 15:31:50,2022-06-02 15:33:27']

run [424146, 'CIS', '2022-06-06 17:46:48,2022-06-06 17:48:12']

run [424508, 'CIS', '2022-06-10 09:27:42,2022-06-10 09:28:42']

run [424613, 'CIS', '2022-06-10 16:47:39,2022-06-10 16:48:52']

run [424692, 'CIS', '2022-06-11 17:22:37,2022-06-11 17:23:35']

run [424735, 'CIS', '2022-06-12 10:34:27,2022-06-12 10:35:57']

run [425003, 'CIS', '2022-06-14 15:56:17,2022-06-14 15:57:30']

run [425008, 'CIS', '2022-06-14 16:20:05,2022-06-14 16:21:23']

run [425064, 'CIS', '2022-06-15 11:34:41,2022-06-15 11:35:50']

run [425175, 'CIS', '2022-06-16 10:23:04,2022-06-16 10:24:03']

run [425480, 'CIS', '2022-06-17 21:58:45,2022-06-17 22:00:00']

run [425569, 'CIS', '2022-06-20 16:25:07,2022-06-20 16:26:18']

run [425758, 'CIS', '2022-06-22 10:00:54,2022-06-22 10:02:17']

run [426076, 'CIS', '2022-06-23 18:14:51,2022-06-23 18:16:11']

run [426084, 'CIS', '2022-06-23 18:47:32,2022-06-23 18:48:43']

run [426286, 'CIS', '2022-06-24 15:32:14,2022-06-24 15:33:25']

run [426330, 'CIS', '2022-06-24 19:54:50,2022-06-24 19:56:20']

run [426571, 'CIS', '2022-06-28 10:23:06,2022-06-28 10:24:26']

run [426701, 'CIS', '2022-06-29 12:30:30,2022-06-29 12:31:54']

run [426816, 'CIS', '2022-06-30 12:27:19,2022-06-30 12:28:38']

Run list:

423827 424146 424508 424613 424692 424735 425003 425008 425064 425175 425480 425569 425758 426076 426084 426286 426330 426571 426701 426816

Bad Amp/Q:

424508: LBA LG

424692: LBA HG, LG

425003: LBA HG

425175: LBA HG, LG

426286: EMPTY wtf? LBA

426330: Also LBA EMPTY → For these i will try a different channel and see if it is replicated. I am doing M02Ch02. Replicated with M10Ch02.

Updated list of runs: 423827 424146 424613 424735 425008 425064 425480 425569 425758 426076 426084 426286 426330 426571 426701 426816

Bad Timing: (m02c02)

424692: all shifted by about +25 for HG AND LG

424735: all shifted by +25 for HG, LG

425003: all shifted by -25 for HG, LG

425008: all sifted by -25 for HG, LG

425064: all shifted by -25 for HG, LG

425175: all shifted by -25 for HG, LG

425480: same

425569: same

425758: same

426076: same

426084: i believe things have returned back to normal???

m10C02:

423827: LBA LG outlier

424692: LBA HG distribution super weird . LG Shifted +25. EBA LG +25.

424735: LBA +25, EBA +25

425003: all shifted a bit down. But is it that bad?

….

425480: LBA HG Bad outlier

426076: LBA HG Bad outlier

426286: LBA bad outliers

426330: LBA bad outliers

**FINAL RUN LIST (just excluding everything with bad timing and bad amp/q)**

423827 424146 424613 426084 426286 426330 426571 426701 426816

And corresponding command:

macros/cis/CIS\_DB\_Update.py --date 'June 1, 2022' 'July 1, 2022' --ldate 423827 424146 424613 426084 426286 426330 426571 426701 426816 |&tee results/JunCIS.txt

Plots:

macros/cis/Public\_Super\_Macro.py --gcals --date '06/01/22' '07/01/22' --listdate 423827 424146 424613 426084 426286 426330 426571 426701 426816 --datelabel 'June 1 - July 1, 2022' --mean --lowmem --rmsplots --flagplots

macros/cis/Public\_Super\_Macro.py --history -0.5 0.5 --date 'June 1, 2022' 'July 1, 2022' --ndate 'June 1, 2021' 'July 1, 2021' --datelabel 'June. 2021 vs 2022'

MEETING NOTES:

The new date range should include end of June (after timing problems) to today. So we are just completely disregarding the runs in the beginning of June.

Date Range: June 24 - July 14.

macros/cis/CIS\_DB\_Update.py --date 'June 24, 2022' 'July 14, 2022' |&tee results/JunJulCIS.txt

Iov : when creating sqlite choose a run number from last week so people can verify

**Update June 23 - July 14**

macros/cis/CIS\_DB\_Update.py –date “June 23, 2022” “July 14, 2022” |&tee results/JuneCIS.txt

—-> Issue with this is one of the runs on June 23 is bad timing while the other is ok. This command will include the one with bad timing.

Runs:

run [426286, 'CIS', '2022-06-24 15:32:14,2022-06-24 15:33:25']

run [426330, 'CIS', '2022-06-24 19:54:50,2022-06-24 19:56:20']

run [426571, 'CIS', '2022-06-28 10:23:06,2022-06-28 10:24:26']

run [426701, 'CIS', '2022-06-29 12:30:30,2022-06-29 12:31:54']

run [426816, 'CIS', '2022-06-30 12:27:19,2022-06-30 12:28:38']

run [426939, 'CIS', '2022-07-01 15:06:42,2022-07-01 15:07:41']

run [426968, 'CIS', '2022-07-01 16:31:07,2022-07-01 16:32:36']

run [427100, 'CIS', '2022-07-03 10:05:15,2022-07-03 10:06:32']

run [427157, 'CIS', '2022-07-03 15:15:23,2022-07-03 15:16:35']

run [427250, 'CIS', '2022-07-04 09:33:41,2022-07-04 09:35:14']

run [427419, 'CIS', '2022-07-06 15:33:28,2022-07-06 15:34:57']

run [427775, 'CIS', '2022-07-08 17:48:53,2022-07-08 17:50:29']

run [427899, 'CIS', '2022-07-11 14:34:03,2022-07-11 14:35:14']

run [427932, 'CIS', '2022-07-12 11:14:41,2022-07-12 11:15:55']

run [427941, 'CIS', '2022-07-12 11:50:04,2022-07-12 11:51:28']

426084 should also be included

426286 426330 426571 426701 426816 426939 426968 427100 427157 427250 427419 427775 427899 427932 427941

AmpQ:

426286: LBA Empty

426330: LBA Empty

426939: LBA LG weird curve again!!!

Timing:

426286: Spike? LBA

426330: LBA Spike again

I think this is ok and just because they are empty. Maybe it is default value or smth

427775: LBA has one outlier LG

427899: LBA 1 outlier LG

Final run list:

426084 426286 426330 426571 426701 426816 426968 427100 427157 427250 427419 427932 427941

Final command:

macros/cis/CIS\_DB\_Update.py --date '30 days' --ldate 426084 426286 426330 426571 426701 426816 426968 427100 427157 427250 427419 427932 427941 |&tee results/JunJulCIS.txt

Plots

macros/cis/Public\_Super\_Macro.py --gcals --date '06/23/22' '07/14/22' --listdate 426084 426286 426330 426571 426701 426816 426968 427100 427157 427250 427419 427932 427941 --datelabel 'June 23 - July 14, 2022' --mean --lowmem --rmsplots --flagplots

macros/cis/Public\_Super\_Macro.py --history -0.5 0.5 --date 'June 23, 2022' 'July 14, 2022' --ndate 'June 23, 2021' 'July 14, 2021' --datelabel 'Jun. 23 - Jul. 14: 2021 vs 2022'

Investigating weird bump on LG distribution

Below are all of the channels that have values below 1.20 (lower cutoff). Most are from demonstrator.

TILECAL\_EBC\_m56\_c41\_lowgain 1.1678851384382982

TILECAL\_EBC\_m26\_c01\_lowgain 0.19280846187701592

TILECAL\_EBC\_m61\_c08\_lowgain 1.1830857075177705

TILECAL\_EBC\_m16\_c36\_lowgain 1.193693527808556

TILECAL\_EBC\_m18\_c04\_lowgain 0.9643376194513761

TILECAL\_EBC\_m21\_c36\_lowgain 0.6447245616179246

TILECAL\_EBC\_m22\_c16\_lowgain 1.072904334618495

TILECAL\_EBC\_m23\_c31\_lowgain 1.014474657865671

TILECAL\_LBA\_m14\_c37\_lowgain 1.0155668053776026

TILECAL\_LBA\_m14\_c14\_lowgain 1.127304231127103

TILECAL\_LBA\_m14\_c25\_lowgain 1.0234251983463765

TILECAL\_LBA\_m14\_c04\_lowgain 1.0121373388916255

TILECAL\_LBA\_m14\_c15\_lowgain 1.1281602275040414

TILECAL\_LBA\_m14\_c38\_lowgain 1.0199728585779666

TILECAL\_LBA\_m14\_c05\_lowgain 1.02526580914855

TILECAL\_LBA\_m14\_c39\_lowgain 1.1263017968999014

TILECAL\_LBA\_m14\_c16\_lowgain 1.1274467421074708

TILECAL\_LBA\_m14\_c27\_lowgain 1.0237927518785

TILECAL\_LBA\_m14\_c06\_lowgain 1.1222013905644417

TILECAL\_LBA\_m14\_c17\_lowgain 1.1141131694118183

TILECAL\_LBA\_m14\_c40\_lowgain 1.0208775814622641

TILECAL\_LBA\_m14\_c07\_lowgain 1.0159124340862036

TILECAL\_LBA\_m14\_c18\_lowgain 1.1247624100910292

TILECAL\_LBA\_m14\_c41\_lowgain 1.1325080895589457

TILECAL\_LBA\_m14\_c03\_lowgain 1.0141725413501264

TILECAL\_LBA\_m14\_c29\_lowgain 1.0178031019866467

TILECAL\_LBA\_m14\_c08\_lowgain 1.0193201225250959

TILECAL\_LBA\_m14\_c19\_lowgain 1.0182053308933974

TILECAL\_LBA\_m14\_c42\_lowgain 1.1344311874773767

TILECAL\_LBA\_m14\_c09\_lowgain 1.0116559464484454

TILECAL\_LBA\_m14\_c20\_lowgain 1.009465528652072

TILECAL\_LBA\_m14\_c44\_lowgain 1.118892367101378

TILECAL\_LBA\_m14\_c10\_lowgain 1.0223367035388946

TILECAL\_LBA\_m14\_c33\_lowgain 1.0332174327224493

TILECAL\_LBA\_m14\_c00\_lowgain 1.0113748762756587

TILECAL\_LBA\_m14\_c21\_lowgain 1.0185424655675888

TILECAL\_LBA\_m14\_c45\_lowgain 1.0131835103034974

TILECAL\_LBA\_m14\_c11\_lowgain 1.0139113139361142

TILECAL\_LBA\_m14\_c01\_lowgain 1.0207599766552449

TILECAL\_LBA\_m14\_c22\_lowgain 1.012582452222705

TILECAL\_LBA\_m14\_c46\_lowgain 1.0146542776376009

TILECAL\_LBA\_m14\_c12\_lowgain 1.0162686310708522

TILECAL\_LBA\_m14\_c35\_lowgain 1.011892519146204

TILECAL\_LBA\_m14\_c02\_lowgain 1.0175130162388086

TILECAL\_LBA\_m14\_c23\_lowgain 1.12566865566704

TILECAL\_LBA\_m14\_c47\_lowgain 1.0164499305188657

TILECAL\_LBA\_m14\_c13\_lowgain 1.0136082231998444

TILECAL\_LBA\_m14\_c36\_lowgain 1.013555134832859

TILECAL\_LBA\_m30\_c32\_lowgain 1.0988071881807768

TILECAL\_LBC\_m47\_c35\_lowgain 1.1690196624168983

TILECAL\_LBC\_m19\_c22\_lowgain 0.6298208236694336

TILECAL\_LBC\_m08\_c03\_lowgain 0.6323782847477839

TILECAL\_EBA\_m07\_c31\_lowgain 0.9329580481235797

TILECAL\_EBA\_m48\_c31\_lowgain 0.6198876729378333

Reasons for this being so low is there are basically these small number of 0 cis response runs that get filtered out at some stage for calculating the CIS udpate but they don’t get filtered out when calculating the distributions!!! So this needs to be changed.

This i think is also the reason for the green bar on the LBA14 plots being so low.

TILECAL\_LBC\_m19\_c22\_lowgain 0.6297723054885864

TILECAL\_LBC\_m19\_c22\_lowgain 0.6296992897987366

TILECAL\_LBC\_m19\_c22\_lowgain 0.629821240901947

TILECAL\_LBC\_m19\_c22\_lowgain 0.6296957731246948

TILECAL\_LBC\_m19\_c22\_lowgain 0.6298378109931946

TILECAL\_LBC\_m19\_c22\_lowgain 0.6297693252563477

TILECAL\_LBC\_m19\_c22\_lowgain 0.6298873424530029

TILECAL\_LBC\_m19\_c22\_lowgain 0.6299209594726562

TILECAL\_LBC\_m19\_c22\_lowgain 0.6297378540039062

TILECAL\_LBC\_m19\_c22\_lowgain 0.6298474669456482

TILECAL\_LBC\_m19\_c22\_lowgain 0.6298932433128357

TILECAL\_LBC\_m19\_c22\_lowgain 0.6298685669898987

TILECAL\_LBC\_m19\_c22\_lowgain 0.6299195289611816

TILECAL\_LBC\_m08\_c03\_lowgain 0.6323608756065369

TILECAL\_LBC\_m08\_c03\_lowgain 0.6325836777687073

TILECAL\_LBC\_m08\_c03\_lowgain 0.6322430968284607

TILECAL\_LBC\_m08\_c03\_lowgain 0.6324249505996704

TILECAL\_LBC\_m08\_c03\_lowgain 0.6323966979980469

TILECAL\_LBC\_m08\_c03\_lowgain 0.6323943138122559

TILECAL\_LBC\_m08\_c03\_lowgain 0.6323715448379517

TILECAL\_LBC\_m08\_c03\_lowgain 0.6323326230049133

TILECAL\_LBC\_m08\_c03\_lowgain 0.6325227618217468

TILECAL\_LBC\_m08\_c03\_lowgain 0.6323429346084595

TILECAL\_LBC\_m08\_c03\_lowgain 0.6324506998062134

TILECAL\_LBC\_m08\_c03\_lowgain 0.6322711110115051

TILECAL\_LBC\_m08\_c03\_lowgain 0.6322224140167236

TILECAL\_LBC\_m47\_c35\_lowgain 1.16901433467865

TILECAL\_LBC\_m47\_c35\_lowgain 1.1690821647644043

TILECAL\_LBC\_m47\_c35\_lowgain 1.1688926219940186

TILECAL\_LBC\_m47\_c35\_lowgain 1.1687785387039185

TILECAL\_LBC\_m47\_c35\_lowgain 1.1684168577194214

TILECAL\_LBC\_m47\_c35\_lowgain 1.1691560745239258

TILECAL\_LBC\_m47\_c35\_lowgain 1.1686005592346191

TILECAL\_LBC\_m47\_c35\_lowgain 1.169779658317566

TILECAL\_LBC\_m47\_c35\_lowgain 1.1689406633377075

TILECAL\_LBC\_m47\_c35\_lowgain 1.1689046621322632

TILECAL\_LBC\_m47\_c35\_lowgain 1.1700328588485718

TILECAL\_LBC\_m47\_c35\_lowgain 1.1686135530471802

TILECAL\_LBC\_m47\_c35\_lowgain 1.1690430641174316

TILECAL\_LBA\_m14\_c11\_lowgain 0.03323313221335411

TILECAL\_LBA\_m14\_c11\_lowgain 0.033344611525535583

TILECAL\_LBA\_m14\_c00\_lowgain 0.03289485722780228

TILECAL\_LBA\_m14\_c00\_lowgain 0.03297480568289757

TILECAL\_LBA\_m14\_c46\_lowgain 0.03306231647729874

TILECAL\_LBA\_m14\_c46\_lowgain 0.03319026157259941

TILECAL\_LBA\_m14\_c01\_lowgain 0.03275550901889801

TILECAL\_LBA\_m14\_c01\_lowgain 0.03287922590970993

TILECAL\_LBA\_m14\_c22\_lowgain 0.033048879355192184

TILECAL\_LBA\_m14\_c22\_lowgain 0.03313487768173218

TILECAL\_LBA\_m14\_c12\_lowgain 0.032811377197504044

TILECAL\_LBA\_m14\_c12\_lowgain 0.03301941230893135

TILECAL\_LBA\_m14\_c35\_lowgain 0.03280371427536011

TILECAL\_LBA\_m14\_c35\_lowgain 0.0330376997590065

TILECAL\_LBA\_m14\_c02\_lowgain 0.03317656368017197

TILECAL\_LBA\_m14\_c02\_lowgain 0.03340793773531914

TILECAL\_LBA\_m14\_c23\_lowgain 0.033580757677555084

TILECAL\_LBA\_m14\_c47\_lowgain 0.03330683335661888

TILECAL\_LBA\_m14\_c47\_lowgain 0.033423926681280136

TILECAL\_LBA\_m14\_c36\_lowgain 0.0325189083814621

TILECAL\_LBA\_m14\_c36\_lowgain 0.03271254897117615

TILECAL\_LBA\_m14\_c13\_lowgain 0.0326668843626976

TILECAL\_LBA\_m14\_c13\_lowgain 0.03289923816919327

TILECAL\_LBA\_m14\_c03\_lowgain 0.03322877362370491

TILECAL\_LBA\_m14\_c03\_lowgain 0.033363793045282364

TILECAL\_LBA\_m14\_c14\_lowgain 0.0328492671251297

TILECAL\_LBA\_m14\_c37\_lowgain 0.03311187028884888

TILECAL\_LBA\_m14\_c37\_lowgain 0.03330931439995766

TILECAL\_LBA\_m14\_c04\_lowgain 0.03279278427362442

TILECAL\_LBA\_m14\_c04\_lowgain 0.032903190702199936

TILECAL\_LBA\_m14\_c25\_lowgain 0.03294515237212181

TILECAL\_LBA\_m14\_c25\_lowgain 0.0331425778567791

TILECAL\_LBA\_m14\_c15\_lowgain 0.0330749973654747

TILECAL\_LBA\_m14\_c38\_lowgain 0.03332636505365372

TILECAL\_LBA\_m14\_c38\_lowgain 0.033515214920043945

TILECAL\_LBA\_m14\_c05\_lowgain 0.03308505564928055

TILECAL\_LBA\_m14\_c05\_lowgain 0.03324843943119049

TILECAL\_LBA\_m14\_c16\_lowgain 0.03282080218195915

TILECAL\_LBA\_m14\_c39\_lowgain 0.03279666602611542

TILECAL\_LBA\_m14\_c27\_lowgain 0.033185701817274094

TILECAL\_LBA\_m14\_c27\_lowgain 0.03346560522913933

TILECAL\_LBA\_m14\_c06\_lowgain 0.03271711617708206

TILECAL\_LBA\_m14\_c17\_lowgain 0.03272745758295059

TILECAL\_LBA\_m14\_c40\_lowgain 0.033331260085105896

TILECAL\_LBA\_m14\_c40\_lowgain 0.03354186937212944

TILECAL\_LBA\_m14\_c07\_lowgain 0.033236175775527954

TILECAL\_LBA\_m14\_c07\_lowgain 0.03300267085433006

TILECAL\_LBA\_m14\_c18\_lowgain 0.03315264731645584

TILECAL\_LBA\_m14\_c41\_lowgain 0.03318140283226967

TILECAL\_LBA\_m14\_c29\_lowgain 0.03281509876251221

TILECAL\_LBA\_m14\_c29\_lowgain 0.03259771317243576

TILECAL\_LBA\_m14\_c08\_lowgain 0.03282172977924347

TILECAL\_LBA\_m14\_c08\_lowgain 0.033064570277929306

TILECAL\_LBA\_m14\_c19\_lowgain 0.03279971703886986

TILECAL\_LBA\_m14\_c19\_lowgain 0.033054813742637634

TILECAL\_LBA\_m14\_c42\_lowgain 0.033335067331790924

TILECAL\_LBA\_m14\_c45\_lowgain 0.033207379281520844

TILECAL\_LBA\_m14\_c45\_lowgain 0.03348783403635025

TILECAL\_LBA\_m14\_c09\_lowgain 0.03286869078874588

TILECAL\_LBA\_m14\_c09\_lowgain 0.03312040492892265

TILECAL\_LBA\_m14\_c20\_lowgain 0.033190082758665085

TILECAL\_LBA\_m14\_c20\_lowgain 0.03345531225204468

TILECAL\_LBA\_m14\_c44\_lowgain 0.0338219590485096

TILECAL\_LBA\_m14\_c10\_lowgain 0.033118437975645065

TILECAL\_LBA\_m14\_c10\_lowgain 0.03295837715268135

TILECAL\_LBA\_m14\_c33\_lowgain 0.033531930297613144

TILECAL\_LBA\_m14\_c33\_lowgain 0.03372371196746826

TILECAL\_LBA\_m14\_c21\_lowgain 0.033109091222286224

TILECAL\_LBA\_m14\_c21\_lowgain 0.03322131186723709

TILECAL\_LBA\_m30\_c32\_lowgain 0.0

TILECAL\_LBA\_m30\_c32\_lowgain 0.0

TILECAL\_EBC\_m61\_c08\_lowgain 1.145646333694458

TILECAL\_EBC\_m61\_c08\_lowgain 1.1656279563903809

TILECAL\_EBC\_m61\_c08\_lowgain 1.1485583782196045

TILECAL\_EBC\_m61\_c08\_lowgain 1.1509063243865967

TILECAL\_EBC\_m61\_c08\_lowgain 1.1508854627609253

TILECAL\_EBC\_m61\_c08\_lowgain 1.1435798406600952

TILECAL\_EBC\_m61\_c08\_lowgain 1.1511684656143188

TILECAL\_EBC\_m61\_c08\_lowgain 1.1513752937316895

TILECAL\_EBC\_m61\_c08\_lowgain 1.1513701677322388

TILECAL\_EBC\_m61\_c08\_lowgain 1.1657743453979492

TILECAL\_EBC\_m16\_c36\_lowgain 1.1936546564102173

TILECAL\_EBC\_m16\_c36\_lowgain 1.1939183473587036

TILECAL\_EBC\_m16\_c36\_lowgain 1.1937744617462158

TILECAL\_EBC\_m16\_c36\_lowgain 1.1935101747512817

TILECAL\_EBC\_m16\_c36\_lowgain 1.193401575088501

TILECAL\_EBC\_m16\_c36\_lowgain 1.1937509775161743

TILECAL\_EBC\_m16\_c36\_lowgain 1.193668007850647

TILECAL\_EBC\_m16\_c36\_lowgain 1.193694829940796

TILECAL\_EBC\_m16\_c36\_lowgain 1.1936458349227905

TILECAL\_EBC\_m16\_c36\_lowgain 1.193664312362671

TILECAL\_EBC\_m16\_c36\_lowgain 1.1937785148620605

TILECAL\_EBC\_m16\_c36\_lowgain 1.1936733722686768

TILECAL\_EBC\_m16\_c36\_lowgain 1.1938807964324951

TILECAL\_EBC\_m18\_c04\_lowgain 0.9641796350479126

TILECAL\_EBC\_m18\_c04\_lowgain 0.9643571376800537

TILECAL\_EBC\_m18\_c04\_lowgain 0.964531660079956

TILECAL\_EBC\_m18\_c04\_lowgain 0.9639010429382324

TILECAL\_EBC\_m18\_c04\_lowgain 0.9634513258934021

TILECAL\_EBC\_m18\_c04\_lowgain 0.9642655253410339

TILECAL\_EBC\_m18\_c04\_lowgain 0.9643816351890564

TILECAL\_EBC\_m18\_c04\_lowgain 0.9634454250335693

TILECAL\_EBC\_m18\_c04\_lowgain 0.9641872644424438

TILECAL\_EBC\_m18\_c04\_lowgain 0.9635719656944275

TILECAL\_EBC\_m18\_c04\_lowgain 0.9649501442909241

TILECAL\_EBC\_m18\_c04\_lowgain 0.9655624032020569

TILECAL\_EBC\_m18\_c04\_lowgain 0.9656038880348206

TILECAL\_EBC\_m21\_c36\_lowgain 0.6438348889350891

TILECAL\_EBC\_m21\_c36\_lowgain 0.64539635181427

TILECAL\_EBC\_m21\_c36\_lowgain 0.6456860899925232

TILECAL\_EBC\_m21\_c36\_lowgain 0.6440669298171997

TILECAL\_EBC\_m21\_c36\_lowgain 0.6451808214187622

TILECAL\_EBC\_m21\_c36\_lowgain 0.6452142596244812

TILECAL\_EBC\_m21\_c36\_lowgain 0.6447763442993164

TILECAL\_EBC\_m21\_c36\_lowgain 0.6440216898918152

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TILECAL\_EBC\_m21\_c36\_lowgain 0.6445043683052063

TILECAL\_EBC\_m21\_c36\_lowgain 0.6445559859275818

TILECAL\_EBC\_m22\_c16\_lowgain 0.996349036693573

TILECAL\_EBC\_m22\_c16\_lowgain 1.1255905628204346

TILECAL\_EBC\_m22\_c16\_lowgain 0.9851341843605042

TILECAL\_EBC\_m22\_c16\_lowgain 1.1353387832641602

TILECAL\_EBC\_m22\_c16\_lowgain 1.01380455493927

TILECAL\_EBC\_m22\_c16\_lowgain 1.1059647798538208

TILECAL\_EBC\_m22\_c16\_lowgain 0.9915739893913269

TILECAL\_EBC\_m22\_c16\_lowgain 1.1312073469161987

TILECAL\_EBC\_m22\_c16\_lowgain 1.0551857948303223

TILECAL\_EBC\_m22\_c16\_lowgain 1.1329313516616821

TILECAL\_EBC\_m22\_c16\_lowgain 1.0827478170394897

TILECAL\_EBC\_m22\_c16\_lowgain 1.0626362562179565

TILECAL\_EBC\_m22\_c16\_lowgain 1.1292918920516968

TILECAL\_EBC\_m23\_c31\_lowgain 1.0139131546020508

TILECAL\_EBC\_m23\_c31\_lowgain 1.0137273073196411

TILECAL\_EBC\_m23\_c31\_lowgain 1.0144685506820679

TILECAL\_EBC\_m23\_c31\_lowgain 1.0137516260147095

TILECAL\_EBC\_m23\_c31\_lowgain 1.0139068365097046

TILECAL\_EBC\_m23\_c31\_lowgain 1.0150856971740723

TILECAL\_EBC\_m23\_c31\_lowgain 1.0138764381408691

TILECAL\_EBC\_m23\_c31\_lowgain 1.0163350105285645

TILECAL\_EBC\_m23\_c31\_lowgain 1.0142852067947388

TILECAL\_EBC\_m23\_c31\_lowgain 1.0159318447113037

TILECAL\_EBC\_m23\_c31\_lowgain 1.0143426656723022

TILECAL\_EBC\_m23\_c31\_lowgain 1.01394784450531

TILECAL\_EBC\_m23\_c31\_lowgain 1.0145983695983887

TILECAL\_EBC\_m56\_c41\_lowgain 1.1760612726211548

TILECAL\_EBC\_m56\_c41\_lowgain 1.1664412021636963

TILECAL\_EBC\_m56\_c41\_lowgain 1.1761937141418457

TILECAL\_EBC\_m56\_c41\_lowgain 1.1663284301757812

TILECAL\_EBC\_m56\_c41\_lowgain 1.1663789749145508

TILECAL\_EBC\_m56\_c41\_lowgain 1.1668254137039185

TILECAL\_EBC\_m56\_c41\_lowgain 1.1670942306518555

TILECAL\_EBC\_m56\_c41\_lowgain 1.1653966903686523

TILECAL\_EBC\_m56\_c41\_lowgain 1.16492760181427

TILECAL\_EBC\_m56\_c41\_lowgain 1.1671267747879028

TILECAL\_EBC\_m56\_c41\_lowgain 1.1653389930725098

TILECAL\_EBC\_m56\_c41\_lowgain 1.167151689529419

TILECAL\_EBC\_m56\_c41\_lowgain 1.1672418117523193

TILECAL\_EBC\_m26\_c01\_lowgain 0.1944306194782257

TILECAL\_EBC\_m26\_c01\_lowgain 0.19438529014587402

TILECAL\_EBC\_m26\_c01\_lowgain 0.19331517815589905

TILECAL\_EBC\_m26\_c01\_lowgain 0.19370001554489136

TILECAL\_EBC\_m26\_c01\_lowgain 0.19217966496944427

TILECAL\_EBC\_m26\_c01\_lowgain 0.1937847137451172

TILECAL\_EBC\_m26\_c01\_lowgain 0.19186440110206604

TILECAL\_EBC\_m26\_c01\_lowgain 0.19409415125846863

TILECAL\_EBC\_m26\_c01\_lowgain 0.1910385638475418

TILECAL\_EBC\_m26\_c01\_lowgain 0.19229274988174438

TILECAL\_EBC\_m26\_c01\_lowgain 0.19076290726661682

TILECAL\_EBC\_m26\_c01\_lowgain 0.19437548518180847

TILECAL\_EBC\_m26\_c01\_lowgain 0.19028626382350922

TILECAL\_EBA\_m48\_c31\_lowgain 0.62013840675354

TILECAL\_EBA\_m48\_c31\_lowgain 0.6199544668197632

TILECAL\_EBA\_m48\_c31\_lowgain 0.6197911500930786

TILECAL\_EBA\_m48\_c31\_lowgain 0.6196432709693909

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TILECAL\_EBA\_m48\_c31\_lowgain 0.6195980310440063

TILECAL\_EBA\_m48\_c31\_lowgain 0.6198129057884216

TILECAL\_EBA\_m48\_c31\_lowgain 0.6201138496398926

TILECAL\_EBA\_m07\_c31\_lowgain 0.9332348704338074

TILECAL\_EBA\_m07\_c31\_lowgain 0.9339714646339417

TILECAL\_EBA\_m07\_c31\_lowgain 0.9324820041656494

TILECAL\_EBA\_m07\_c31\_lowgain 0.9341593384742737

TILECAL\_EBA\_m07\_c31\_lowgain 0.9330226182937622

TILECAL\_EBA\_m07\_c31\_lowgain 0.9333347678184509

TILECAL\_EBA\_m07\_c31\_lowgain 0.9338775277137756

TILECAL\_EBA\_m07\_c31\_lowgain 0.9293709397315979

TILECAL\_EBA\_m07\_c31\_lowgain 0.9335588812828064

TILECAL\_EBA\_m07\_c31\_lowgain 0.9294017553329468

TILECAL\_EBA\_m07\_c31\_lowgain 0.9344814419746399

TILECAL\_EBA\_m07\_c31\_lowgain 0.9338298439979553

TILECAL\_EBA\_m07\_c31\_lowgain 0.9337291717529297