May 1 - June 1 2022

CIS RUNS:

419864 420384 420709 421222 421606 422100 422198 422233 422268 422529 422767 423123 423287

run [419864, 'CIS', '2022-05-02 08:53:49,2022-05-02 08:54:50']

run [420384, 'CIS', '2022-05-05 09:33:19,2022-05-05 09:34:23']

run [420709, 'CIS', '2022-05-09 10:42:47,2022-05-09 10:43:48']

run [421222, 'CIS', '2022-05-12 08:49:59,2022-05-12 08:50:59']

run [421606, 'CIS', '2022-05-16 09:28:27,2022-05-16 09:29:27']

run [422100, 'CIS', '2022-05-19 09:56:32,2022-05-19 09:57:32']

run [422198, 'CIS', '2022-05-19 16:04:26,2022-05-19 16:05:28']

run [422233, 'CIS', '2022-05-20 09:20:26,2022-05-20 09:21:29']

run [422268, 'CIS', '2022-05-20 11:34:08,2022-05-20 11:35:08']

run [422529, 'CIS', '2022-05-23 12:52:04,2022-05-23 12:53:04']

run [422767, 'CIS', '2022-05-25 10:54:57,2022-05-25 10:56:21']

run [423123, 'CIS', '2022-05-28 15:18:02,2022-05-28 15:19:27']

run [423287, 'CIS', '2022-05-30 09:00:04,2022-05-30 09:01:19']

Amp/Q and timing:

419864: LBA LG AMPQ bad

421606: LBA LG AMPQ Bad

422198: LBA Both AMPQ Bad

422233: LBA HG AMPQ Bad

422529: LBA LG AMPQ Bad

422767: LBA LG AMPQ Bad

423123: LBA HG AMPQ Bad

423287: LBA LG AMPQ Bad

422198: LBA LG Bad Timing

422529: LBA LG Bad Timing

Why so many problems in lba????

Is it with the particular channel I have chosen?

Maybe try another and see if the problem persists. Because there is nothing too out of the ordinary on the plots.

I tried two other channels same issue idk why

Going to try the following list of runs just in LBA to see what it gives

420384 420709 421222 422100 422268

After some analysis it seems like only the values of 4 channels would change after this and by marginally small amounts so it is not worth separating them

Diff channel “new” value old value

0.19143700000000763 LBA37\_c21\_1 75.531136 75.339699 (LBA\_m37\_c21\_highgain)

0.09222399999998743 LBA51\_c12\_1 78.828972 78.736748 (LBA\_m51\_c12\_highgain)

0.0022809999999964248 LBA56\_c0\_1 82.603943 82.601662 (LBA\_m56\_c00\_highgain)

0.016106000000007725 LBA64\_c29\_1 74.695496 74.67939 (LBA\_m64\_c29\_highgain)

High deviation channels

LBC\_m23\_c20\_lowgain 2.73 1.87 -31.41% (high scatter channel anyways)

LBC\_m41\_c25\_highgain 44.49 81.52 83.20% (looks very normal now? Was at half gain before?? Yes it switched around April 14 and I did a manual recal but for some reason it is not there. weird????)

Latest run number: 423287