Command:

Date Range: March 1 to April 1

macros/cis/CIS\_DB\_Update.py --date 'March 1, 2022' 'April 1, 2022' |&tee FebCIS.txt

RUNS:

run [413287, 'CIS', '2022-03-03 23:34:10,2022-03-03 23:35:25']

run [413579, 'CIS', '2022-03-08 12:43:39,2022-03-08 12:45:06']

run [413594, 'CIS', '2022-03-08 13:34:03,2022-03-08 13:35:34']

run [413976, 'CIS', '2022-03-12 13:10:23,2022-03-12 13:11:41']

run [414257, 'CIS', '2022-03-16 09:08:03,2022-03-16 09:09:29']

run [414464, 'CIS', '2022-03-17 18:10:23,2022-03-17 18:11:48']

run [414513, 'CIS', '2022-03-18 09:13:36,2022-03-18 09:15:13']

run [414763, 'CIS', '2022-03-21 09:34:19,2022-03-21 09:35:59']

run [415169, 'CIS', '2022-03-24 09:45:48,2022-03-24 09:47:26']

run [415434, 'CIS', '2022-03-25 17:20:39,2022-03-25 17:22:16']

run [415531, 'CIS', '2022-03-28 11:36:40,2022-03-28 11:37:57']

run [415564, 'CIS', '2022-03-28 14:34:03,2022-03-28 14:35:36']

run [415914, 'CIS', '2022-03-30 11:46:10,2022-03-30 11:47:36']

run [416099, 'CIS', '2022-03-31 09:59:51,2022-03-31 10:01:02']

In list form:

413287 413579 413594 413976 414257 414464 414513 414763 415169 415434 415531 415564 415914 416099

In LBA There are some consistent outliers

CHECKING FOR MISSING PULSES:

415564: all but LBA have outlet at the end at around 80.

413976: there is one massive outlier at the very end at around 800 on all but LBA

Module 39

413976: there is one point low at 0? Only for LBA

414533: one point low at 0 for LBA

414763: one point low for LBA

413287: LBC looks real weird

CHECKING TIMING AND AMPQ

413287: LBC HG,LG bad timing (3/3 first point)

413976: LBA HG,LG bad ampq (3/12 fourth point)

Updated:

413579 413594 414257 414464 414513 414763 415169 415434 415531 415564 415914 416099

macros/cis/CIS\_DB\_Update.py --date '-31 days' --ldate 413579 413594 414257 414464 414513 414763 415169 415434 415531 415564 415914 416099 |&tee MarCIS.txt

LBA missing pulses:

* 413976: LBA has two points at 0
* 414513: LBA has two points at 0
* 414763: LBA has one point at 0
* 415564: LBA has one point at 0

macros/cis/Public\_Super\_Macro.py --gcals --date 03/01/22 04/01/22 --listdate 413579 413594 414257 414464 414513 414763 415169 415434 415531 415564 415914 416099 --datelabel 'March 1 - April 1, 2022' --mean --lowmem --rmsplots --flagplots

macros/cis/Public\_Super\_Macro.py --history -0.5 0.5 --date ‘February 1, 2022' 'March 1, 2022' --ndate 'February 1, 2021' 'March 1, 2021' --datelabel 'Feb. 2021 vs 2022'

DEMONSTRATOR ISSUES:

415914 is bad fit

416099 also bad fit

Drastic jumps

EBC\_m43\_ch36-41

EBC\_m34\_c39-41\_lowgain

417549: find where is the missing pulse (what evtnr)